

OFFICIAL PUBLICATIONS OF CORNELL UNIVERSITY

VOLUME VII

NUMBER 3

THE REGISTER OF CORNELL UNIVERSITY 1915-16

JANUARY 1, 1916
PUBLISHED BY CORNELL UNIVERSITY
ITHACA, NEW YORK

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TABLE OF CONTENTS

CALENDAR	5
FOUNDATION AND ENDOWMENT.....	7
GOVERNMENT AND BOARD OF TRUSTEES.....	8
THE UNIVERSITY AND THE FACULTIES.....	10
OFFICERS OF INSTRUCTION AND OF ADMINISTRATION.....	11
ADMISSION TO THE UNDERGRADUATE COLLEGES.....	38
PAYMENTS TO THE UNIVERSITY.....	45
THE GRADUATE SCHOOL.....	47
THE COLLEGE OF ARTS AND SCIENCES.....	66
THE COLLEGE OF LAW.....	95
THE MEDICAL COLLEGE.....	100
THE VETERINARY COLLEGE.....	113
THE COLLEGE OF AGRICULTURE.....	119
THE COLLEGE OF ARCHITECTURE.....	137
THE COLLEGE OF CIVIL ENGINEERING.....	143
SIBLEY COLLEGE OF MECHANICAL ENGINEERING.....	150
THE UNIVERSITY LIBRARY.....	160
SCHOLARSHIPS AND PRIZES.....	163
HOLDERS OF FELLOWSHIPS AND OF SCHOLARSHIPS.....	169
BENEFICIARY FUNDS, MILITARY SCIENCE AND TACTICS, ETC.....	172
ALUMNI ORGANIZATIONS.....	176
THE SUMMER SESSION.....	185
THE FORTY-SEVENTH ANNUAL COMMENCEMENT.....	197
CATALOGUE OF STUDENTS.....	208
SUMMARIES OF REGISTRATION.....	279
STUDENTS IN THE SUMMER SESSION.....	281
STUDENTS IN THE WINTER COURSES.....	301
INDEX OF SUBJECTS AND OF NAMES..	305

1915

JULY							AUGUST							SEPTEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	..	1	2	3	1	2	3	4	5	6	7	..	..	..	1	2	3	4
4	5	6	7	8	9	10	8	9	10	11	12	13	14	5	6	7	8	9	10	11
11	12	13	14	15	16	17	15	16	17	18	19	20	21	12	13	14	15	16	17	18
18	19	20	21	22	23	24	22	23	24	25	26	27	28	19	20	21	22	23	24	25
25	26	27	28	29	30	31	29	30	31	..	..	..	..	26	27	28	29	30	..	..
..
OCTOBER							NOVEMBER							DECEMBER						
..	..	..	..	..	1	2	..	1	2	3	4	5	6	..	..	..	1	2	3	4
3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11
10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18
17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25
24	25	26	27	28	29	30	28	29	30	..	..	..	..	26	27	28	29	30	31	..
31	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

1916

JANUARY							FEBRUARY							MARCH						
..	..	..	..	..	..	1	..	..	1	2	3	4	5	..	..	..	1	2	3	4
2	3	4	5	6	7	8	6	7	8	9	10	11	12	5	6	7	8	9	10	11
9	10	11	12	13	14	15	13	14	15	16	17	18	19	12	13	14	15	16	17	18
16	17	18	19	20	21	22	20	21	22	23	24	25	26	19	20	21	22	23	24	25
23	24	25	26	27	28	29	27	28	29	..	..	..	..	26	27	28	29	30	31	..
30	31	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
APRIL							MAY							JUNE						
..	..	..	..	..	..	1	..	1	2	3	4	5	6	..	..	..	..	1	2	3
2	3	4	5	6	7	8	7	8	9	10	11	12	13	4	5	6	7	8	9	10
9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17
16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24
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30
JULY							AUGUST							SEPTEMBER						
..	1	1	2	3	4	5	1	2
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9	10	11	12	13	14	15	13	14	15	16	17	18	19	10	11	12	13	14	15	16
16	17	18	19	20	21	22	20	21	22	23	24	25	26	17	18	19	20	21	22	23
23	24	25	26	27	28	29	27	28	29	30	31	24	25	26	27	28	29	30
30	31
OCTOBER							NOVEMBER							DECEMBER						
1	2	3	4	5	6	7	1	2	3	4	1	2
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15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16
22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23
29	30	31	..	..	..	..	26	27	28	29	30	..	..	24	25	26	27	28	29	30
..	..	..	..	..	..	..	..	..	..	..	..	..	..	31	..	..	..	..	..	..

CALENDAR

First Term, 1915-16

Sept. 17,	Friday,	Entrance examinations begin.
Sept. 27,	Monday,	Academic year begins. Registration of new students. Scholarship examinations begin.
Sept. 28,	Tuesday,	Registration of new students. Registration in the Medical College in N. Y. City.
Sept. 29,	Wednesday,	Registration of old students.
Sept. 30,	Thursday,	Instruction begins in all departments of the University at Ithaca. President's annual address to the students at 12 m.
Oct. 2,	Saturday,	Registration, Graduate School.
Oct. 19,	Tuesday,	Last day for payment of tuition.
Nov. 9,	Friday,	Winter Courses in Agriculture begin.
Nov. —,	Thursday,	Thanksgiving Recess.
Dec. 1,	Wednesday,	Latest date for announcing subject of theses for advanced degrees in June.
Dec. 22,	Wednesday,	Instruction ends
Jan. 6,	Thursday,	Instruction resumed } Christmas Recess.
Jan. 10,	Monday,	The '94 Memorial Prize Competition.
Jan. 11,	Tuesday,	Founder's Day.
Jan. 29,	Saturday,	Instruction ends.
Jan. 31,	Monday,	Term examinations begin.

Second Term, 1915-16

Feb. 12,	Saturday,	Registration, undergraduates.
Feb. 14,	Monday,	Registration, Graduate School.
Feb. 14,	Monday,	Instruction begins.
Feb. 11,	Friday,	Winter Courses in Agriculture end.
Mar. 3,	Friday,	Last day for payment of tuition.
Mar. 1,	Wednesday,	Latest date for announcing subjects of theses for advanced degrees in September.
Mar. 15,	Wednesday,	The latest date for receiving applications for Fellowships and Scholarships in the Graduate School.
April 5,	Wednesday,	Instruction ends
April 13,	Thursday,	Instruction resumed } Spring Recess.
April 13,	Thursday,	The latest date for presenting Woodford Orations.
May 5,	Friday,	The Woodford Prize Competition.
May 19,	Friday,	The '86 Memorial Prize Competition.
May 27,	Saturday,	Navy Day.
June 7,	Wednesday,	Term examinations begin.
June 8,	Thursday,	Commencement of the Medical College in New York City.
June 21,	Wednesday,	Forty-eighth Annual Commencement.
July 1,	Saturday,	Latest date for announcing subjects of theses for advanced degrees in February.

Third Term (in the College of Agriculture only), 1915-16

June 12,	Monday,	Registration.
June 13,	Tuesday,	Instruction begins.
Sept. 27,	Wednesday,	Term ends.

Summer Session, 1916

July 6,	Thursday,	Summer Session begins.
Aug. 16,	Wednesday,	Summer Session ends.

Summer School in Agriculture, 1916

July 6,	Thursday,	Summer School begins.
Aug. 16,	Wednesday,	Summer School ends.

CORNELL UNIVERSITY

FOUNDATION AND ENDOWMENT

"I would found an institution where any person can find instruction in any study."—EZRA CORNELL.

Cornell University was incorporated by the legislature of the State of New York on April 27, 1865, and to the University there were appropriated the proceeds of the sale of land scrip representing nine hundred and ninety thousand acres of public lands granted to the State in accordance with the provisions of an Act of Congress, approved on July 2, 1862. The amount realized from the State's sale of this land scrip was \$688,576.12.

Toward the endowment and maintenance of the new university, Ezra Cornell, at its foundation, donated \$500,000, and two hundred acres of land with useful buildings, along with several smaller gifts for special purposes.

A large portion of the land scrip sold by the State of New York was purchased by Ezra Cornell under contract providing that the profits derived from the sale of the lands should accrue to Cornell University. Under this contract of purchase, and by the wise administration of Ezra Cornell and the Board of Trustees through its Land Committee, of which Henry W. Sage was for many years chairman, Cornell University has up to August 1, 1915, realized \$5,041,384.69.

Cornell University was opened on October 7, 1868.

The lands and buildings and the equipment of the University have an estimated value of \$8,508,084.67. The productive and other funds of the University amount to \$14,057,115.33.

The current income of the University for the year 1914-15 was \$3,139,530.38. Of this amount, \$622,574.76 consisted of tuition and laboratory fees; \$912,077.38 was appropriated by the State of New York for the College of Agriculture and the Veterinary College; the residue of \$1,807,510.30 came from general investments and from miscellaneous sources. Donations and gifts during the year amounted to \$202,632.06.

The total expenses of the University for the corresponding period were \$2,961,286.13. The salaries of members of the instructing staff amounted to \$1,056,786.56; departmental expenses were \$655,625.97; the erection of new buildings cost \$296,111.32; all other expenses for the year amounted to \$952,762.28.

A detailed statement of the finances of the University is included in the annual report of the Treasurer, which accompanies the Annual Report of the President; this may be had gratis on application to the Secretary of the University.

GOVERNMENT OF THE UNIVERSITY

The government of Cornell University is vested in a President elected by the Board of Trustees, and a Board of Trustees, consisting of the President of the University and thirty-nine other members, of whom seven are ex-officio, viz: the Governor of the State of New York, the Lieutenant-Governor, the Speaker of the Assembly, the Commissioner of Education, the Commissioner of Agriculture, the President of the State Agricultural Society, and the Librarian of the Cornell Library. The eldest lineal male descendant of Ezra Cornell is a trustee during his life. Of the remaining thirty-one members, fifteen are elected by co-optation for a term of five years, ten are elected by the alumni of Cornell University to serve for five years, five are appointed by the Governor of the State of New York for the same term of service, and one is annually elected by the State Grange.

BOARD OF TRUSTEES

The President of the University...	Jacob Gould Schurman, A.M., D.Sc., LL.D
The Governor of New York.....	Albany
The Lieutenant-Governor.....	Albany
The Speaker of the Assembly.....	Albany
The Commissioner of Education.....	Albany
The Commissioner of Agriculture.....	Albany
The President of the State Agricultural Society.....	New York
The Librarian of the Cornell Library.....	Ithaca
Charles Ezra Cornell.....	Ithaca
*Andrew Carnegie.....(B)..	2 East 91st St., New York
*George C. Boldt.....(B)..	Waldorf-Astoria, New York
*Frank H. Hiscock.....(B)..	Court House, Syracuse
*Herbert D. Mason .. .. .(A)..	Tulsa, Oklahoma
*James Harvey Edwards.....(A)..	30 Church St., New York
*Frank H. Miller.....(G)..	146 W. 54th St., New York
Jared T. Newman.....(B)..	Ithaca
Mynderse VanCleaf.....(B)..	Ithaca
Robert H. Treman.....(B)..	Ithaca
John C. Westervelt.....(A)..	36 W. 34th St., New York
Mrs. Harriet T. Moody.....(A)..	2970 Groveland Ave., Chicago, Ill.
Thomas B. Wilson.....(G)..	Hall
Henry H. Westinghouse.....(B)..	165 Broadway, New York
Charles E. Treman.....(B)..	Ithaca
Roger B. Williams.....(B)..	Ithaca
Franklin Matthews.....(A)..	Columbia School of Journalism, New York
Cuthbert W. Pound.....(A)..	Lockport
J. DuPratt White.....(G)..	14 Wall St., New York
Charles H. Blood.....(B)..	Ithaca
Charles Sidney Shepard.....(B)..	New Haven, N. Y.

*Term of office (5 years) expires in 1916, the next group of six in 1917, etc. B., elected by Board; A., elected by Alumni; G., appointed by Governor; Gr., elected by State Grange for 1915-16.

Henry W. Sackett	(B) .	Tribune Bldg., New York
Ira A. Place	(A) ..	Grand Central Terminal, New York
George J. Tansey	(A) ..	400 S. Broadway, St. Louis, Mo.
John A. Dix	(G) ..	Thomson
Henry R. Ickelheimer	(B) ..	Box 1854, New York
Charles M. Schwab	(B) ..	111 Broadway, New York
Andrew D. White	(B) ..	Ithaca
Henry J. Patten	(A) ..	220 Western Union Bldg., Chicago, Ill.
Willard Straight	(A) ..	120 Broadway, New York
John N. Carlisle	(G) ..	93 State St., Albany
Wm. F. Pratt	(Gr)	"The Meadows," Batavia

Emmon L. Williams, Comptroller of the University . . . Morrill Hall, Ithaca
 Charles D. Bostwick, Treasurer of the University and Secretary of the Board
 of Trustees Morrill Hall, Ithaca

STANDING COMMITTEES OF THE BOARD OF TRUSTEES, 1915-16

Committee on General Administration: M. Van Cleef, Chairman, President Schurman, Andrew D. White, Charles E. Cornell, Roger B. Williams, James H. Edwards, Frank H. Hiscock, Thomas B. Wilson, Henry H. Westinghouse, Charles E. Treman, Cuthbert W. Pound.

Committee on Finance: Roger B. Williams, Chairman, President Schurman, Ira A. Place, Robert H. Treman, Henry H. Ickelheimer, C. Sidney Shepard.

Committee on Buildings and Grounds: James H. Edwards, Chairman, President Schurman, John C. Westervelt, George C. Boldt, Henry W. Sackett, Charles H. Blood, J. DuPratt White.

Agricultural College Council: Thomas B. Wilson, Chairman, President Schurman, Charles S. Wilson, John J. Dillon, Jared T. Newman, John C. Westervelt, John N. Carlisle, Frank H. Miller, William F. Pratt, J. DuPratt White, John A. Dix, Director of College of Agriculture and Comptroller of University without votes.

Medical College Council: President Schurman, Chairman, William M. Polk, H. R. Ickelheimer, H. H. Westinghouse, Ira A. Place, Lewis A. Stimson, W. Gilman Thompson.

Veterinary College Council: President Schurman, Chairman, Emmons L. Williams, Veranus A. Moore, Charles S. Wilson, John J. Dillon, William F. Pratt, J. DuPratt White, John A. Dix, John N. Carlisle, Frank H. Miller, Thomas B. Wilson.

CORNELL UNIVERSITY

1. **The University.** Cornell University comprehends the Graduate School; the College of Arts and Sciences; the College of Law; the Medical College (including the Medical College in New York City and the Ithaca Division of the Medical College); the New York State Veterinary College; the New York State College of Agriculture; the College of Architecture; the College of Civil Engineering; the Sibley College of Mechanical Engineering and Mechanic Arts; and the School of Education. The New York State College of Agriculture and the New York State Veterinary College are administered by Cornell University, and their work is organically connected with that of the University.

2. **The University Faculty.** The University Faculty consists of the President, who is ex-officio the presiding officer, and the Professors and Assistant Professors in colleges and schools of the University, along with the Librarian, the Assistant Librarians, the Registrar, and the Secretary of the University. It is the function of the University Faculty to consider questions that concern more than one special faculty, questions of University policy, and questions relating to the administration of the discipline of the University.

3. **The Faculty of the Graduate School.** The Faculty of the Graduate School consists of the President, who is ex-officio the presiding officer, and all Professors, Assistant Professors, and Instructors, who are actively engaged in supervising the work of graduate students as members of the special committees in charge of major and minor subjects.

4. **The College Faculties.** Each of the remaining faculties of the University is composed of the President, who is ex-officio the presiding officer, and all Professors, Assistant Professors, and Instructors who give instruction in the department or departments under the charge of that Faculty; but Instructors, with the exception of those who are appointed for a term of more than one year, have not the right to vote. Subject to the right of revision by the University Faculty on all matters affecting general University policy, it is the duty of each college Faculty to determine the entrance requirements for its own students; to prescribe and define courses of study for them; to determine the requirements for such degrees as are offered to students under its jurisdiction; and to recommend to the Trustees such candidates for degrees as may have completed the respective requirements for those degrees.

OFFICERS OF INSTRUCTION AND ADMINISTRATION

THE UNIVERSITY FACULTY AND THE SEPARATE FACULTIES

- Schurman, Jacob Gould, A.M., D.Sc., LL.D., President of the University, 1892.
Professor of Philosophy, 1886.
- Abel, Max, Instructor in Farm Crops, 1915.
- Adams, Bristow, B.A., Professor of Extension, Information Service, 1914.
- Adams, Joseph Quincy, jr., A.B., A.M., Ph.D., Assistant Professor of English, 1909. Instructor, 1904.
- Adams, Thomas Sewall, A.B., Ph.D., Acting Professor of Economics, 1915.
- Albee, Ernest, A.B., Ph.D., Professor of Philosophy, 1907. Instructor 1892; Assistant Professor, 1902.
- Albert, Calvin Dodge, M.E., Assistant Professor of Machine Design, 1908. (Sabbatic leave, second term.) Instructor, 1904.
- Alexander, Charles Paul, B.S., Instructor in Natural History, 1915.
Assistant in Biology, 1911; Assistant in the Farm Course, 1912; Instructor in Entomology, 1914.
- Allen, Arthur Augustus, A.B., A.M., Ph.D., Assistant Professor of Ornithology, 1915. Assistant in Neurology and Vertebrate Zoology, 1906-07; Instructor, 1909; Instructor in Zoology, 1912.
- Anderson, Elam Jonathan, A.B., A.M., Instructor in Public Speaking, 1913.
- Anderson, Ross Peter, A.B., Ph.D., Assistant Professor of Chemistry, 1914. Assistant, 1907; Instructor, 1911.
- Andrews, Albert LeRoy, A.B., A.M., Ph.D., Instructor in German and Scandinavian, 1909.
- Andrews, Eugene Plumb, A.B., Assistant Professor of Archaeology and Curator of the Museum of Casts, 1911. Curator, 1897; Instructor, 1900.
- Asmus, Henry, Assistant Professor of Farriery and Head of the Department, 1914.
- Atkinson, George Francis, Ph.B., Professor of Botany with special reference to Comparative Morphology and Mycology, College of Arts and Sciences, 1896. Assistant Professor 1892, Associate Professor, 1893.
- Austen, Willard Henry, Librarian, 1915. Assistant Librarian, 1892.
- Ayres, Winfred Enos, Extension Instructor in Dairy Industry, 1915.
Instructor, 1914.
- Babcock, Howard Edward, B.S., Ph.B., Assistant Extension Professor and Assistant State Director of Farm Bureaus, 1913.
- Bailey, Elmer James, Ph.B., Ph.M., A.M., Ph.D., Instructor in English, 1908. Assistant, 1907.
- Bailey, Harold Capron, M.D., Instructor in Obstetrics, 1910. New York City. Clinical Instructor in Surgery, 1906; Instructor in Pharmacology, 1907.
- Baker, Thomas Alexander, B.S., Instructor in Animal Husbandry, 1915. Assistant, 1914.
- Baker, William Charles, B.S.A., Professor of Drawing in the College of Agriculture, 1914. Instructor in Drawing in Sibley College, 1899-1904, Instructor in Outdoor Art in the College of Agriculture, 1905-06; Assistant Professor of Drawing, 1907.
- Baldwin, Dane Lewis, A.B., M.A., Instructor in English, 1912.
- Ballard, William Cyrus, jr., M.E., Instructor in Electrical Engineering, 1911. Instructor in Machine Design, 1910.
- Bancroft, Wilder Dwight, A.B., Ph.D., Professor of Physical Chemistry, 1903. Assistant Professor, 1895.
- Barker, Elmer Eugene, A.B., Ph.D., Assistant Professor of Plant Breeding, 1914. Assistant in Geology, 1909; Assistant in Entomology, 1910-11; Assistant in Plant Breeding, 1912; Instructor, 1913.

- Barnard, William Nichols, M.E., Professor of Power Engineering, 1915.
Assistant in Machine Design, 1897; Instructor, 1898-1900; Assistant Professor, 1903; Assistant Professor of Steam Engineering, 1905; Professor, 1907.
- Barnes, Fred Asa, C.E., M.C.E., Professor of Railroad Engineering, and Head of the Department, 1915. Instructor in Civil Engineering, 1902; Assistant Professor of Railroad Engineering, 1905.
- Barringer, Benjamin Stockwell, B.S., M.D., Clinical Instructor in Surgery, Department of Urology, 1914. Assistant, 1906-07.
- Barron, John Hall, B.S.A., Assistant Extension Professor of Farm Crops, 1915.
- Barrows, Charles Clifford, A.M., M.D., Assistant Professor of Clinical Surgery, Department of Gynecology, 1913. New York City. Clinical Instructor in Gynecology, 1898.
- Barrus, Mortier Franklin, B.A., Ph.D., Extension Professor of Plant Pathology, 1914. Assistant, 1908; Assistant Professor, 1911.
- Bauer, John, Ph.D., Assistant Professor of Economics, 1910. (Absent.)
Instructor, 1908.
- Baxter, Hubert E., B.Arch., Instructor in Architecture, 1911.
- Beal, Alvin Casey, B.S., M.S. in Agr., Ph.D., Professor of Floriculture, 1913.
Assistant, 1910; Assistant Professor, 1911.
- Beekman, Fenwick, M.D., Instructor in Operative Surgery, 1914. New York City.
- Bedell, Frederic, A.B., Ph.D., Professor of Applied Electricity, 1904.
Instructor in Physics, 1892; Assistant Professor, 1893.
- Beitz, William Edward, C.E., Instructor in Civil Engineering, 1912.
- Benedict, Stanley R., Ph.D., Professor of Chemistry, 1912. New York City.
Assistant Professor, 1910.
- Benjamin, Earl Whitney, B.S. in Agr., M.S. in Agr., Ph.D., Assistant Professor of Poultry Husbandry, 1914. Assistant, 1910; Instructor, 1911.
- Bennett, Charles Biglow, B.S. in E.E., Instructor in Electrical Engineering, 1915.
Instructor in Machine Design, 1913.
- Bennett, Charles Edwin, A.B., Litt.D., Goldwin Smith Professor of Latin, 1912.
Professor, 1892.
- Bentley, John, jr., B.S., M.F., Assistant Professor of Forestry, 1912.
- Berggreen, Paul H., Librarian in Sibley College, 1914.
- Berry, Charles Harold, M.E., Instructor in Power Engineering, 1913.
- Besemer, Arthur Merle, B.S., Instructor in Dairy Industry, 1914. Assistant, 1913.
- Betten, Cornelius, M.A., Ph.D., Professor, Secretary and Registrar, College of Agriculture, 1915.
- Betz, Hermann, Instructor in Mathematics, 1915.
- Bidwell, Charles Clarence, A.B., Instructor in Physics, 1915. Assistant, 1910;
Instructor, 1912-14.
- Birch, Raymond Russell, D.V.M., Superintendent of the Veterinary Experimental Station, 1914. Assistant, 1910; Instructor in Experimental Pathology, 1910. Instructor in charge of Station, 1911.
- Birdseye, Miriam, B.A., Assistant Professor of Home Economics, 1914.
- Bizzell, James Adrian, B.S., M.S., Ph.D., Professor of Soil Technology in the Federal Experiment Station, 1912. Assistant Chemist, 1903; Assistant Professor of Soil Technology in the Federal Experiment Station, 1908.
- Blackmore, Beulah, Instructor in Home Economics, 1915.
- Blaker, Ernest, B.S., Ph.D., Assistant Professor of Physics, 1903. Assistant, 1898;
Instructor, 1901.
- Blodgett, F. M., Ph.D., Assistant Professor of Plant Pathology, 1915.
- Böck, Joseph C., Instructor in Chemistry, 1913. New York City.
- Boesche, Albert Wilhelm, A.B., Ph.D., Professor of German, 1915.
Instructor, 1905-06; Assistant Professor, 1910.
- Bogert, George Gleason, A.B., LL.B., Assistant Professor of Law, 1913.
Assistant in American History, 1906-08. Acting Assistant Professor of Law, 1911.

- Boan, Moritz J.**, Lecturer on the Jacob H. Schiff Foundation, 1915.
- Boring, Edmund Garrigues**, M.E., M.A., Ph.D., Instructor in Psychology, 1913.
Assistant, 1911.
- Boulter, Lewis Henry**, A.B., A.M., Instructor in English, 1914.
- Bown, Ralph A.**, M.E., M.M.E., Instructor in Physics, 1914. Assistant in Machine Design, 1912; Assistant in Physics, 1913.
- Bradford, Louis Jacquelin**, B.S., Instructor in Machine Design, 1912.
- Bradley, James Chester**, A.B., M.S., Ph.D., Assistant Professor of Systematic Entomology, 1911. Assistant, 1905-06; 1907-09.
- Brannon, James Marshall**, M.A., Instructor in Botany in the New York State College of Agriculture, 1915.
- Brauner, Julius Frederick, jr.**, C.E., Instructor in Civil Engineering, 1910.
- Brauner, Olaf Martinius**, Professor of Drawing and Painting in the College of Architecture, and Head of the Department, 1909. Instructor, 1895; Assistant Professor, 1898.
- Bretz, Julian Pleasant**, A.B., Ph.D., Professor of American History, 1910. (Sabbatic leave, second term.) Assistant Professor, 1908.
- Briggs, Thomas Roland**, A.B., Ph.D., Assistant Professor of Physical Chemistry and Electrochemistry, 1915. Assistant, 1909-1912.
- Bristol, George Prentice**, A.B., A.M., Professor of Greek, 1898; Head of the Department, 1914; Director of the Summer Session, 1905, and Director of the School of Education, 1910.
Assistant Professor, 1888; Associate Professor, 1890.
- Broughton, Leslie Nathan**, A.B., A.M., Ph.D., Instructor in English, 1910.
- Broun, LeRoy**, M.D., Clinical Instructor in Surgery, Department of Gynecology, 1906. New York City.
- Brown, Carrol Gardner**, B.S. in E.E., Instructor in Electrical Engineering, 1913.
- Brown, George H.**, A.B., A.M., Instructor in the Romance Languages and Literatures, 1913. Acting Assistant Professor, 1912.
- Brown, Harold Warner**, B.S., M.M.E., Instructor in Electrical Engineering, 1912.
- Brown, Thomas Benjamin**, A.B., Instructor in Physics, 1912. Assistant, 1912.
- Browne, Arthur Wesley**, B.S., M.S., Ph.D., Professor of Inorganic and Analytical Chemistry, 1910. Instructor, 1903; Assistant Professor, 1906.
- Buckman, Harry Oliver**, M.S.A., Ph.D., Assistant Professor of Soil Technology, 1912. Assistant, 1910; Instructor, 1912.
- Bulkley, Kenneth**, M.D., Instructor in Clinical Surgery, 1915, New York City.
- Bull, Henry Tilghman**, C.E., 1st Lieutenant of 13th Cavalry, U.S.A., Professor of Military Science and Tactics, 1913. (Transferred by War Department to Ft. Leavenworth, Kans., Nov. 5, 1915.)
- Bundy, Murray Wright**, A.B., A.M., Instructor in English, 1914.
- Burdick, Charles Kellogg**, A.B., LL.B., Professor of Law, 1914.
- Burgess, Robert Wilbur**, A.B., Ph.D., Instructor in Mathematics, 1914.
Assistant, 1912.
- Burke, Franklin T.**, M.D., Clinical Instructor in Surgery, Department of Laryngology and Rhinology, 1909. New York City. Assistant, 1901.
- Burnett, Samuel Howard**, A.B., M.S., D.V.M., Professor of Comparative Pathology, 1913. Assistant, 1899; Instructor, 1901; Assistant Professor, 1908.
- Burnham, LeRoy P.**, S.B., M.S. in Arch., Assistant Professor of Architecture, 1914.
- Burr, George Lincoln**, A.B., LL.D., Litt.D., Professor of Medieval History, 1902.
Instructor in Modern History, 1881-84; Instructor in Anglo-Saxon, 1886-87; Instructor in Medieval and Modern History, 1888; Assistant Professor of History, 1889; Assistant Professor of Ancient and Medieval History, 1890; Associate Professor, 1891; Professor, 1892.
- Burritt, Maurice Chase**, B.S. in Agr., M.S.A., Extension Professor and State Director of Farm Bureaus, 1914.

- Burrows, Earle Nelson, C.E., M.C.E., Assistant Professor of Bridge Engineering, 1915. Instructor in Civil Engineering, 1910.
- Campbell, Robert Argyll, A.B., Lecturer in Economics, 1915.
- Canfield, Ellen Brainard, Instructor in Sage College, in charge of Gymnasium for Women, 1894.
- Carpenter, James McFadden, jr., A.B., A.M., Instructor in the Romance Languages and Literatures, 1915.
- Carpenter, Rolla Clinton, M.S., C.E., M.M.E., LL.D., Professor of Experimental Engineering, 1895; Head of the Department of Engineering Research, Associate Professor, 1890.
- Carver, Walter Buckingham, Ph.B., Ph.D., Assistant Professor of Mathematics, 1910. Instructor, 1906.
- Catlin, Welles Goodspeed, M.E., Instructor in Electrical Engineering, 1912.
- Cavanaugh, George Walter, B.S., Professor of Chemistry in its Relations to Agriculture, 1909. Assistant, 1891; Assistant Professor, 1903.
- Chamberlain, George Ray, M.E., Assistant Professor of Freehand Drawing in the College of Architecture, 1915. Instructor in Industrial Drawing and Art, 1902-04; Instructor in Freehand Drawing in the College of Architecture, 1906.
- Chamberlain, Robert Franklin, M.E., Instructor in Electrical Engineering, 1911.
- Chamot, Emile Monnin, B.S., Ph.D., Professor of Sanitary Chemistry and Toxicology, 1910. Assistant, 1890; Instructor, 1891; Assistant Professor, 1901.
- Chandler, William Henry, B.S. in Agr., M.S. in Agr., Ph.D., Professor of Research in Pomology, 1913.
- Chandler, W. L., Instructor in Entomology, 1915.
- Charles, Thomas Burr, B.S., Instructor in Poultry Husbandry, 1915. Assistant, 1914.
- Chupp, Charles, A.B., Instructor in Plant Pathology, 1914. Assistant, 1912.
- Church, Irving Porter, B.C.E., C.E., Professor of Applied Mechanics and Hydraulics, and Head of the Department, 1892. Assistant Professor of Civil Engineering, 1876; Associate Professor, 1891.
- Cilley, Arthur H., M.D., Clinical Instructor in Surgery, Department of Orthopedics, 1913. New York City.
- Clark, Harold Howard, M.E., Instructor in Machine Design, 1915.
- Clark, Roy Edwards, M.E., Instructor in Power Engineering, 1913.
- Coca, Arthur F., M.D., Instructor in Experimental Pathology, 1911. New York City.
- Cole, Lewis G., M.D., Professor of Radiology, 1913. New York City. Instructor, 1911.
- Coleman, Warren, A.B., A.M., M.D., Professor of Clinical Medicine and Applied Pharmacology, 1900. New York City. Instructor, 1898.
- Coley, William B. A.B., A.M., M.D., Professor of Clinical Surgery, Department of Surgery, 1909. New York City.
- Comfort, William Wistar, A.B., A.M., Ph.D., Professor of the Romance Languages and Literatures and Head of the Department, 1909.
- Comstock, Anna Botsford, B.S., Assistant Professor of Nature Study, 1913. Lecturer in Nature Study, 1903; Lecturer Extension Teaching, 1906; Lecturer in Nature Study, 1907.
- Comstock, John Henry, B.S., Professor of Entomology and General Invertebrate Zoology, Emeritus, 1914. Instructor in Entomology, 1873; Assistant Professor, 1876; Professor, 1882.
- Conner, Lewis Atterbury, Ph.B., M.D., Professor of Clinical Medicine, 1900. New York City. Instructor, 1898.
- Conwell, Walter Lichtenthaeler, C.E., Assistant Professor of Railroad Engineering, 1915. Instructor in Civil Engineering, 1911.

- Cooper, Lane, A.B., A.M., Ph.D., Professor of the English Language and Literature, 1915. Instructor in English, 1902; Assistant Professor, 1906.
- Cornell, Walter Rodney, B.S., Instructor in Mechanics of Engineering, 1910. Instructor in Civil Engineering, 1909.
- Corwin, Charles Dudley, M.E., Instructor in Machine Design, 1910.
- Coursault, Jesse Harliaman, A.B., A.M., Ph.D., Acting Professor of the History and Philosophy of Education, 1915.
- Craig, Clyde Firman, A.B., Ph.D., Assistant Professor of Mathematics, 1915. Assistant, 1906; Instructor, 1907.
- Craig, William Thomas, Instructor in Plant Breeding, 1915. Assistant, 1913.
- Crandall, Carl, C.E., Instructor in Civil Engineering, 1913.
- Crandall, Charles Lee, C.E., B.C.E., M.C.E., Professor of Railway Engineering and Geodesy, Emeritus, 1915. Instructor in Civil Engineering, 1873; Assistant Professor, 1875; Associate Professor, 1891; Professor of Railway Engineering and Geodesy, 1895; in charge of the College of Civil Engineering, 1902-06.
- Crane, Thomas Frederick, A.B., A.M., Ph.D., Litt.D., Professor of the Romance Languages and Literatures, Emeritus, 1909. Assistant Professor of South European Languages, 1868; Professor of Italian and Spanish, 1873; Professor of the Romance Languages and Literatures, 1881. Dean of the Faculty of Arts and Sciences, 1896-1902; Acting President of the University, 1899-1900; 1912-1913; Dean of the University Faculty, 1901.
- Creighton, James Edwin, A.B., Ph.D., LL.D., Sage Professor of Logic and Metaphysics, 1895. Dean of the Graduate School, 1914. Instructor in Philosophy, 1889; Associate Professor of Modern Philosophy, 1892.
- Crichtlow, Howard Thompson, C.E., Instructor in Civil Engineering, 1915.
- Crosby, Cyrus Richard, A.B., Extension Professor of Entomology, 1913. Entomologist, 1906; Assistant Professor of Entomological Investigations, 1909.
- Crosby, Dick J., B.S., M.S., Professor of Extension Teaching, 1915.
- Cross, Lewis Josephus, A.B., Ph.D., Professor of Agricultural Chemistry, 1914. Assistant in Chemistry, 1908; Instructor in Agricultural Chemistry, 1909; Assistant Professor, 1912.
- Crowell, Melvin Gleason, A.B., A.M., Instructor in English, 1912.
- Curtis, Otis Freeman, M.S., Instructor in Botany, 1913. Assistant in the Farm Course, 1912.
- Curtis, Ralph Wright, B.S.A., M.S.A., Assistant Professor of Landscape Art, 1913. Assistant in Nature Study, 1905-06.
- Dana, Charles Loomis, A.M., M.D., Professor of Clinical Medicine, Department of Neurology, 1898. New York City.
- Dann, Archie Byron, B.S., Instructor in Poultry Husbandry, 1915. Assistant, 1913.
- Dann, Hollis Ellsworth, Mus.D., Professor of Music, 1907. Instructor, 1903. Assistant Professor, 1904.
- Daugherty, Robert Long, A.B., Assistant Professor of Hydraulics, 1914. Acting Assistant Professor of Mechanics of Engineering, 1910; Assistant Professor, 1912.
- Davidson, Hermann Christian, Ph.D., Assistant Professor of German, 1909. Instructor, 1907.
- Davis, Adam Clarke, jr., Instructor in Experimental Engineering, 1914.
- Davis, E. Gorton, B.S., Assistant Professor of Landscape Art, 1912. Assistant Professor of Rural Art, 1911.
- Davis, Henry Kennedy, A.B., Instructor in Anatomy, 1914. Assistant, 1912.
- Day, Ralph Burnette, M.E., Instructor in Mechanics, 1912.
- Deans, William, jr., Instructor in Electrical Engineering, 1914.
- DeGarmo, Charles, Ph.D., Professor of the Science and Art of Education, Emeritus, 1914. Professor, 1898; Dean of the Summer Session, 1898-1905.
- Dennis, Frederick Shepard, A.B., M.D., F.R.C.S., Professor of Clinical Surgery, Emeritus, 1910. New York City. Professor, 1898.

- Dennis, Louis Munroe, Ph.B., B.S., Professor of Inorganic Chemistry and Head of the Department of Chemistry, 1903.
Instructor in Chemistry, 1887-89; Assistant Professor of Analytical Chemistry, 1891; Associate Professor, 1894; Professor, 1900.
- Diederichs, Herman, M.E., Professor of Experimental Engineering and Head of the Department, 1907; in Charge of the Mechanical Laboratory, 1910.
Assistant, 1898; Instructor, 1899; Assistant Professor, 1902.
- Diederichs, William Jacob, M.E., Instructor in Experimental Engineering, 1912.
- Dix, Edgar Hutton, M.E., Instructor in Experimental Engineering, 1914.
- Does de Bye, Arnoud Jacob Joris van der, M.E., Instructor in Machine Design, 1912.
- Dresbach, Melvin, M.S., M.D., Assistant Professor of Physiology, 1910.
Instructor, 1905; Assistant Professor of Pharmacology, 1909.
- Drummond, Alexander M., A.B., A.M., Instructor in Public Speaking, 1912.
Instructor, 1907-10.
- DuBois, Eugene F., M.D., Instructor in Applied Pharmacology, 1910; and Lecturer in Clinical Physiology, 1913. New York City.
- Durham, Charles Love, M.A., Ph.D., Professor of Latin, 1909.
Instructor, 1897; Assistant Professor, 1901.
- Dynes, Oliver Wesley, B.S., M.S. in Agr., Instructor in Farm Crops, 1914.
Student Assistant, 1910-11.
- Eames, Arthur Johnson, A.B., A.M., Ph.D., Assistant Professor of Botany in the College of Agriculture, 1914. Instructor, 1912.
- Edgar, James Clifton, Ph.B., A.M., M.D., Professor of Obstetrics and Clinical Midwifery, 1898. New York City.
- Eggleston, Cary, M.D., Instructor in Materia Medica and Pharmacology, 1911.
New York City.
- Ellenberger, Howard Bowman, B.S.A., M.S. in Agr., Instructor in Dairy Industry, 1915. Assistant, 1914.
- Ellenwood, Frank Oakes, A.B., Assistant Professor of Power Engineering, 1912.
Acting Assistant Professor, 1911.
- Elliot, George Thomson, A.B., M.D., Professor of Clinical Surgery, Department of Dermatology, 1898. New York City.
- Elmer, Herbert Charles, A.B., Ph.D., Professor of Latin, 1909.
Acting Assistant Professor, 1888; Assistant Professor, 1890.
- Elser, William James, M.D., Professor of Bacteriology, 1909. New York City.
Assistant in Pathology, 1901; Instructor in Bacteriology, 1904; Assistant Professor, 1908.
- Elston, Ellsworth David, A.B., A.M., Instructor in Physical Geography, 1913.
Assistant, 1912.
- Embody, George Charles, B.S., M.S., Ph.D., Assistant Professor of Aquiculture, 1912. Instructor in Neurology and Vertebrate Zoology, 1909-10; Instructor in Biology, 1911.
- Emerson, Rollin Adams, B.Sc., D.Sc., Professor of Plant Breeding, 1914.
- Engeln, Oscar Diedrich von, A.B., Ph.D., Assistant Professor of Physical Geography, 1912. Assistant in Dynamic Geology, 1905; Instructor, 1907.
- English, Donald, B.S., M.B.A., Assistant Professor of Economics, 1915.
Acting Assistant Professor, 1914.
- Erdman, Seward, A.B., M.D., Instructor in Clinical Surgery, 1911. New York City. Demonstrator of Anatomy, 1906-10.
- Everett, George Abram, A.B., LL.B., Professor of Extension Teaching, 1915.
Assistant in Elocution and Oratory, 1899-01; Instructor, 1904; Assistant Professor, 1906-07; 1910-15.
- Ewing, James, A.M., M.D., Professor of Pathology, 1899. New York City.
- Farr, Charles Everett, B.A., M.D., Instructor in Surgery, Department of Surgery, 1915. New York City. Assistant in Anatomy, 1908-11; Instructor in Surgery, 1913-14.

- Faust, Albert Bernhardt**, A.B., Ph.D., Professor of German, 1910; Head of Department, 1914. Acting Assistant Professor, 1904; Assistant Professor, 1905.
- Ferguson, Jeremiah Sweetser**, B.S., M.S., M.D., Secretary of the Medical Faculty, New York City, 1909. Instructor, 1898; Assistant Professor of Histology, 1908.
- Fippin, Elmer Otterbein**, B.S. in Agr., Extension Professor of Soil Technology, 1911. (Sabbatic leave, first term.) Assistant Professor, 1905; Professor, 1909.
- Fish, Pierre Augustine**, B.S., D.Sc., D.V.S., D.V.M., Professor of Veterinary Comparative Physiology and Pharmacology and Head of the Department, 1902. Instructor, 1890; Assistant Professor, 1896.
- Fisk, Walter Warner**, B.S. in Agr., M.S. in Agr., Assistant Professor of Dairy Industry, 1913. Assistant, 1910; Instructor, 1911.
- Fitch, Clifford Penny**, B.S., M.S., D.V.M., Assistant Professor of Veterinary Bacteriology, 1913. Assistant, 1909; Instructor, 1911.
- Fitzpatrick, Harry Morton**, A.B., Ph.D., Assistant Professor of Plant Pathology, 1913. Assistant in Botany, 1908; Instructor in Plant Pathology, 1911.
- Floyd, George D.**, Instructor in Electrical Engineering, 1915.
- Floyd, Rolfe**, M.D., Instructor in Clinical Medicine, 1911. New York City.
- Forbes, W. T. M.**, Instructor in Entomology, New York State College of Agriculture, 1915.
- Ford, Walter Stebbins**, M.E., Assistant Professor of Electrical Engineering, 1908. Instructor, 1904.
- Foster, Nellis Barnes**, M.D., Assistant Professor of Clinical Medicine, 1914. New York City. Instructor, 1913.
- Foster, William Silliman**, A.B., Ph.D., Instructor in Psychology, 1913. Assistant, 1909.
- Fox, Daniel Scott**, B.S., Instructor in Farm Management, 1913.
- Francis, Daniel Robert**, E.E., B.A., Instructor in Mechanics of Engineering, 1909.
- Fraser, Allan Cameron**, B.S., Instructor in Plant Breeding, 1914. Assistant, 1913.
- Fraser, David Kennedy**, B.Sc., M.A., Assistant Professor of Education, 1914. Assistant in Educational Psychology, 1913.
- Frink, Howard Westlake**, M.D., Instructor in Clinical Medicine, 1914. New York City.
- Frost, James Nathan**, D.V.M., Assistant Professor of Veterinary Surgery, 1913; and Acting Head of the Department of Surgery, 1915. Assistant, 1907; Instructor, 1908.
- Frost, W. S.**, Instructor in Soil Technology, 1915.
- Gaba, Meyer G.**, S.B., S.M., Ph.D., Instructor in Mathematics, 1915.
- Gage, Simon Henry**, B.S., Professor of Histology and Embryology, Emeritus, 1908. Instructor in Microscopy and Practical Physiology, 1877-80; Assistant Professor of Physiology and Lecturer on Micro-Technology, 1881; Associate Professor, 1889; Associate Professor of Anatomy, Histology, and Embryology, 1893; Professor, 1895; Professor of Microscopy, Histology and Embryology, 1896; Professor of Histology and Embryology, 1902.
- Gage, Victor Raymond**, M.E., M.M.E., Assistant Professor of Experimental Engineering, 1912. Instructor, 1907.
- Galloway, Beverly Thomas**, B.Agr. Sc., LL.D., Dean of the College of Agriculture, and Director of the Experiment Station, 1914.
- Garner, Enoch Francis**, M.E., Instructor in Machine Design 1913. Instructor, 1907-10.
- Garrett, Seymour Stanton**, C.E., Assistant Professor of Mechanics of Engineering, 1910. Instructor in Civil Engineering, 1906-08.
- Gelas, Jean Marius**, Instructor in Fencing, 1907. Assistant, 1905.
- George, Sidney Gonzales**, C.E., Assistant Professor of Applied Mechanics, 1908. Instructor in Civil Engineering, 1905-07.
- Georgia, Frederick Raymond**, B.Chem., Instructor in Chemistry, 1915. Assistant, 1914.

- Germann, Frank E.E., A.B., Dr. ès. Sc., Instructor in Physics, 1915.
Assistant, 1914.
- Gerster, John C. A., M.D., Instructor in Operative Surgery, 1914. New York City.
- Gibbs, Roswell Clifton, A.B., A.M., Ph.D., Assistant Professor of Physics, 1912.
Assistant, 1906; Instructor, 1906.
- Gibson, A. Wright, Instructor in Farm Practice, 1915.
- Gibson, Charles Langdon, A.B., M.D., Assistant Professor of Surgery, 1912, New York City. Clinical Instructor in Diseases of the Genito-Urinary System, 1900; Instructor in Surgery, 1902; Professor of Clinical Surgery, 1906.
- Gibson, Kasson Stanford, A.B., Instructor in Physics, 1913. Assistant, 1912.
- Gibson, William Albert, A.B., M.E., Instructor in Experimental Engineering, 1914. Assistant in Machine Design, 1913.
- Gilbert, Allan H., A.B., Ph.D., Instructor in English, 1912.
- Gilbert, Arthur Witter, B.Sc., M.S. in Agr., Ph.D., Professor of Plant Breeding, 1911. Assistant, 1908; Assistant Professor, 1909.
- Gilkey, Royal, B.S. in Agr., Assistant Professor of Extension Teaching, 1914. Instructor and Supervisor of Mailing Room, 1911. Supervisor of the Reading Courses, 1911.
- Gill, Adam Capen, A.B., Ph.D., Professor of Mineralogy and Petrography, 1910. Assistant Professor, 1894.
- Gillespie, David Clinton, A.B., M.A., Ph.D., Assistant Professor of Mathematics, 1911. Instructor, 1906.
- Goodridge, Malcolm, M.D., Instructor in Therapeutics, 1910. New York City.
- Graham, Robert William, E.E., Instructor in Electrical Engineering, 1915. Instructor in Machine Design, 1913.
- Gray, Alexander M., B.Sc., E.E., Professor of Electrical Engineering and Head of the Department, 1915.
- Gregory, Charles Truman, B.S. in Agr., Ph.D., Assistant Professor of Plant Pathology, 1914. Assistant, 1911; Instructor, 1912.
- Gudernatsch, J. F., Ph.D., Assistant Professor of Anatomy, 1915. New York City. Instructor, 1909.
- Guerlac, Othon Goepp, Licencié ès lettres, M.A., LL.B., Assistant Professor of Romance Languages, 1904. (Absent.) Instructor, 1900.
- Guise, Cedric Hay, B.S., Instructor in Forestry, 1915. Assistant, 1914.
- Guthrie, Edward Sewall, B.S.A., M.S.A., Ph.D., Professor of Dairy Industry, 1913. Instructor and Investigator in Dairy Industry, 1908.
- Gutsell, Hiram Samuel, B.P., A.M., Instructor in Freehand Drawing and Modeling in the College of Architecture, 1904. Instructor in Drawing and Industrial Art, 1888.
- Ham, Clarence Walter, B.M.E., M.E., Assistant Professor of Machine Design, 1914. Instructor, 1907.
- Ham, Edwin Sleight, B.S., Instructor in Animal Husbandry, 1915.
- Hamilton, George Livingstone, A.B., A.M., Ph.D., Assistant Professor of the Romance Languages and Literatures, 1911.
- Hamlen, George Dempster, A.B., A.M., M.D., Instructor in Obstetrics and Clinical Surgery, Department of Gynecology, 1898. New York City.
- Hammond, William Alexander, B.A., A.M., Ph.D., Sage Professor of Ancient Philosophy and of Aesthetics, 1908; Secretary of the University Faculty. Instructor in Greek Philosophy, 1891; Assistant Professor of Ancient and Medieval Philosophy, 1892; Assistant Professor of Ancient and Medieval Philosophy and Aesthetics, 1903.
- Hardenburg, Earle Volcart, B.S., M.S. in Agr., Instructor in Farm Crops, 1912.
- Harper, Merritt Wesley, B.Sc., M.S., Professor of Animal Husbandry, 1913. Assistant, 1905; Instructor, 1906; Assistant Professor, 1907.

- Harris, George William, Ph.B., Librarian, Emeritus, 1915. Assistant Librarian, 1873; Acting Librarian, 1883; Librarian, 1890.
- Harris, Gilbert Dennison, Ph.B., Professor of Paleontology and Stratigraphic Geology, 1909. Assistant Professor, 1894.
- Hart, James Morgan, A.B., A.M., J.U.D., Litt.D., Professor of the English Language and Literature, Emeritus, 1907. Assistant Professor of South European Languages, 1868; Assistant Professor of North European Languages, 1869-73; Professor of Rhetoric and English Philology, 1890.
- Hartwell, John Augustus, Ph.B., M.D., Professor of Clinical Surgery, 1909 and Assistant Professor of Surgery, 1911. New York City. Instructor in Physiology, 1898; Assistant Professor, 1901.
- Haskell, Eugene Elwin, B.C.E., C.E., Dean of the College of Civil Engineering, and Professor of Experimental Hydraulics, 1906.
- Haskell, Royal Josylin, B.S.A., Instructor in Plant Pathology, 1913.
- Hastings, Thomas Wood, A.B., M.D., Professor of Clinical Pathology, 1907. New York City. Assistant, 1901; Instructor, 1903.
- Hatcher, Robert Anthony, Ph.G., M.D., Professor of Pharmacology, 1911. New York City. Instructor in Materia Medica, 1904; Assistant Professor of Pharmacology, 1906; Professor of Pharmacology and Materia Medica, 1908.
- Hausman, Leon Augustus, A.B., Instructor in Meteorology, 1915. Assistant in Geology, 1912.
- Hayden, Charles Ernest, A.B., D.V.M., Assistant Professor of Physiology, Veterinary College, 1914. Assistant, 1909; Instructor, 1910.
- Hayes, Alfred, A.B., A.M., LL.B., Professor of Law, 1907.
- Hayes, Herbert Edward, C.E., Instructor in Civil Engineering, 1915.
- Hayes, Leslie David, B.S., M.E., Assistant Professor of Machine Design, 1910. Instructor, 1907.
- Haynes, Irving Samuel, Ph.B., M.D., D.Sc., Professor of Applied Anatomy and Clinical Surgery, 1911. New York City. Professor of Practical Anatomy, 1898.
- Hazard, Blanche Evans, A.B., A.M., M.S., Assistant Professor of Home Economics, 1914.
- Hazen, Leslie Eugene, B.S. in Agr., Instructor in Farm Structure, 1915. Instructor in Farm Mechanics, 1913.
- Hebel, John William, A.B., A.M., Instructor in English, 1914.
- Heimann, Walter J., M.D., Clinical Instructor in Surgery, Department of Dermatology, 1913. New York City.
- Heinecke, Arthur John, B.S.A., M.A., Instructor in Pomology, 1914.
- Henry, Mary, Instructor in Home Economics, 1915.
- Herrick, Glenn Washington, B.S. in Agr., Professor of Economic Entomology, 1912. Assistant Professor, 1909.
- Hesler, Lexemuel Ray, A.B., Assistant Professor of Plant Pathology, 1914. Instructor, 1912.
- Hess, Howard Drysdale, M.E., Professor of Machine Design, 1910. Assistant Professor, 1905.
- Hewett, Waterman Thomas, A.B., Ph.D., Professor of German, Emeritus, 1910. Assistant Professor of North European Languages, 1870; Professor of the German Language and Literature, 1883; Head of the Department of German, 1902.
- Hill, Reuben Lorenzo, B.S., Ph.D., Instructor in Biochemistry, 1915. Assistant, 1914.
- Hirshfeld, Clarence Floyd, B.S., M.M.E., Professor of Power Engineering, 1909. (Absent.) Instructor in Experimental Engineering, 1903; Assistant Professor of Steam Engineering, 1905; Assistant Professor of Power Engineering, 1908.
- Hitzrot, James Morley, A.B., M.D., Assistant Professor of Clinical Surgery, 1912. New York City. Instructor, 1904.
- Hoag, Arthur E., M.D., Instructor in Surgery, 1912. New York City.
- Hoch, August, M.D., Professor of Clinical Medicine, Department of Psychopathology, 1910. New York City. Assistant Professor, 1900.

- Hoguet, J. P., M.D., Instructor in Surgery, 1911. New York City.
- Holland, Arthur L., Instructor in Clinical Medicine, Department of Medicine, 1915. New York City.
- Hook, Joseph Stanley, A.B., A.M., Instructor in Economic Geology, 1912.
- Hook, Warren Howard, M.E., Instructor in Experimental Engineering, 1910.
- Hopkins, Grant Sherman, B.S., D.Sc., D.V.M., Professor of Comparative Anatomy and Anatomical Methods, and Head of the Department, 1903. Assistant, 1889; Instructor, 1890; Assistant Professor, 1896.
- Hopper, Herbert Andrew, B.S.A., M.S., Extension Professor of Animal Husbandry, 1913. Assistant Professor, 1911.
- Hosmer, Ralph Sheldon, B.S.A., M.F., Professor of Forestry, 1914.
- Hotchkiss, Herbert V., C.E., Instructor in Civil Engineering, 1914.
- Hottes, Alfred Carl, B.S., M.S. in Agr., Instructor in Floriculture, 1914. Assistant in Entomology, 1912; Assistant in Floriculture, 1913.
- Hoy, David Fletcher, B.S., M.S., Registrar, 1895. Assistant Registrar, 1891.
- Hugins, Charles Roland, A.B., Instructor in Economics, 1914. Assistant in Public Speaking, 1909-10; Assistant in Economics, 1912-13.
- Hull, Charles Henry, Ph.B., Ph.D., Goldwin Smith Professor of American History, 1912. Instructor in Political and Social Institutions, 1892; Assistant Professor of Political Economy, 1893; Professor of American History, 1901; Dean of the Faculty of Arts and Sciences, 1908-13.
- Hunn, Anna Elizabeth, B.S., Instructor in Home Economics, 1912.
- Huntoon, Frank McElroy, M.D., Instructor in Bacteriology, 1909. New York City. Assistant, 1905.
- Hurd, Louis Merwin, Extension Instructor in Poultry Husbandry, 1914. Assistant, 1909.
- Hurwitz, Wallie Abraham, Ph.D., Assistant Professor of Mathematics, 1914. Instructor, 1910.
- Hussey, Thomas Armond, M.E., Instructor in Machine Design, 1912.
- Hutchinson, John Irwin, A.B., Ph.D., Professor of Mathematics, 1910. Instructor, 1894; Assistant Professor, 1903.
- Irvine, Frank, B.S., LL.B., Professor of Law, 1915, and Dean of the College of Law, 1907. Professor of Practice and Procedure, 1901. (Absent on leave.)
- Jackson, Donald F., B.A., Instructor in the Romance Languages and Literatures, 1915.
- Jackson, Henry Wirt, M.D., Instructor in Clinical Pathology, 1914. New York City. Assistant, 1913.
- Jacoby, Henry Sylvester, C.E., Professor of Bridge Engineering and Head of the Department, 1897. Assistant Professor, 1890; Associate Professor, 1894.
- Jacoby, John E., Instructor in English, 1915.
- Jagger, Ivan Claude, B.S. in Agr., B.S.A., M.S.A., Assistant Professor of Plant Pathology, 1914. Instructor, 1913.
- Johannsen, Oskar Augustus, B.S., A.M., Ph.D., Professor of General Biology, 1915. Instructor in Civil Engineering, 1899; Assistant Professor, 1904-09; Assistant Professor of Biology, 1912; Professor of Entomology, 1914.
- Johnson, Alvin Saunders, A.B., A.M., Ph.D., Professor of Economics, 1912. (Absent on leave.)
- Johnson, Howard Eckler, D.V.M., Instructor in Veterinary Anatomy, 1914.
- Johnston, James Chew, A.B., M.D., Assistant Professor of Clinical Medicine, Department of Dermatology, 1908. New York City. Demonstrator in Pathology, 1898; Instructor, 1899.
- Jones, Edward Tompkins, M.E., Instructor in Power Engineering, 1912.
- Jones, Horace Leonard, A.B., A.M., Ph.D., Assistant Professor of Greek, 1910.
- Karapetoff, Vladimir, C.E., Professor of Electrical Engineering, 1908. Assistant Professor, 1904.

- Keays, Frederick Love, A.B., M.D., Instructor in Physical Diagnosis, 1902. New York City.
- Kenerson, Albert Scott, B.S., Instructor in Vegetable Gardening, 1915.
- Keniston, Ralph Hayward, A.B., A.M., Ph.D., Assistant Professor of the Romance Languages and Literatures, 1914.
- Kennedy, Robert Foster, M.D., F.R.S.E., Assistant Professor of Clinical Medicine, Department of Neurology, 1914. New York City. Instructor, 1910.
- Kent, Olney Brown, B.S., M.S. in Agr., Instructor in Poultry Husbandry, 1913.
- Keppler, Carl, M.D., Clinical Instructor in Surgery, Department of Orthopedics, 1915. New York City.
- Kerr, Abram Tucker, B.S., M.D., Professor of Anatomy, 1904, and Secretary of the Ithaca Division of the Medical College, 1902. Assistant Professor, 1900.
- Keyes, Edward Loughboro, jr., A.B., Ph.D., M.D., Professor of Clinical Surgery, Department of Urology, 1910. New York City. Assistant, 1898; Instructor, 1899.
- Kimball, Dexter Simpson, A.B., M.E., Professor of Machine Design and Industrial Engineering, and Head of the Department, 1915.
Assistant Professor, 1898-1901; Acting Director of Sibley College, second term, 1911-12; Professor of Machine Design and Construction, 1904.
- King, Asa Carlton, B.S.A., Professor of Farm Practice, 1915.
Extension School Instructor, 1911.
- King, Edward Riley, B.S., Assistant Professor of Entomology, 1915.
- King, Robert Waldo, A.B., Instructor in Physics, 1912. Assistant, 1912.
- Kingery, Hugh McMillan, B.A., M.A., Instructor in Histology and Embryology, 1914. Assistant, 1912.
- Kingsbury, Benjamin Freeman, A.B., M.S., Ph.D., M.D., Professor of Histology and Embryology, 1908. Instructor, 1896; Assistant Professor, 1899; Assistant Professor of Physiology, Medical College, 1902.
- Kirkpatrick, Ellis Lore, B.S.A., Instructor in Vegetable Gardening, 1915.
- Klinck, Fred Edgar, M.E., Instructor in Experimental Engineering, 1910.
- Knapp, Halsey B., B.S., M.S. in Agr., Assistant Extension Professor of Pomology, 1913. Assistant, 1911; Instructor, 1913.
- Knoettge, Carl H., Instructor in Civil Engineering, 1914.
- Knowlton, Helen, A.B., Instructor in Home Economics, 1913. Assistant, 1912.
- Knudson, Lewis, B.S.A., Ph.D., Assistant Professor of Botany, 1913. Assistant in Plant Physiology, 1908; Instructor, 1908; Assistant Professor, 1911.
- Kochenderfer, Clarence Cameron, A.B., A.M., Instructor in Economics, 1915.
- Koenig, Frederick F., D.V.M., Assistant Professor of Veterinary Medicine, 1914. Assistant, 1909; Instructor, 1910.
- Lambert, Alexander, A.B., Ph.B., M.D., Professor of Clinical Medicine, Department of Medicine, 1898. New York City.
- Landt, James Lefferts, Instructor in Experimental Engineering, 1914.
- Lappin, Henry A., A.B., Instructor in English, 1915.
- Lauman, George Nieman, B.S.A., Professor of Rural Economy, 1909.
Assistant in Horticulture, 1897; Instructor, 1899; Instructor in Rural Economy, 1903; Assistant Professor, 1905.
- Law, James, F.R.C.V.S., Professor of the Principles and Practice of Veterinary Medicine, Emeritus, 1908.
Professor of Veterinary Medicine and Surgery, 1868; Professor of the Principles and Practice of Veterinary Medicine, Veterinary Science, and Veterinary Therapeutics, 1896; Director of New York State Veterinary College and Dean of Faculty of Veterinary Medicine, 1896.
- Lawrence, Leonard Alexander, B.S., Instructor in Civil Engineering, 1907.
- Lee, Burton James, A.B., Ph.B., M.D., Instructor in Clinical Surgery, 1909, and in Surgical Pathology, 1913. New York City. Assistant Demonstrator, 1903; Demonstrator, 1904.

- Lee, Myron A., M.E., M.M.E., Instructor in Machine Design, 1910.
- Leland, Emmons William, B.S. in Agr., Superintendent of Soil Technology in Experiment Field, 1913. Assistant in Soil Technology, 1909.
- Leland, Ora Miner, B.S. (C.E.), Assistant Professor of Astronomy and Geodesy, 1906; Head of the Department of Surveying. Instructor in Civil Engineering, 1903.
- L'Esperance, Elise S., M.D., Instructor in Pathology, 1911. New York City. Assistant, 1910.
- Livermore, Kenneth Carter, B.S. in Agr., Professor of Farm Management, 1913. Instructor in Farm Crops, 1909; Instructor and Investigator, 1910; Assistant Professor of Farm Management, 1911.
- Lloyd, John Thomas, A.B., Instructor in Limnology, 1913. Assistant in Biology, 1909; Assistant in Limnology, 1912.
- Loon, Hendrik, Willem van, A.B., Ph.D., Lecturer in Modern European History, 1915.
- Love, Harry Houser, B.S., M.A., Ph.D., Professor of Plant Breeding Investigations, 1912. Assistant, 1908; Assistant Professor of Plant Breeding in the Federal Experiment Station, 1909.
- Lumsden, David, Assistant Professor of Floriculture, 1914.
- Lundell, Gustav Ernst Fredrick, A.B., Ph.D., Assistant Professor of Chemistry, 1913. Assistant, 1906; Instructor, 1907.
- Lunt, William Edward, Ph.D., Professor of English History, 1915. Professor of Modern European History, 1912.
- Lusk, Graham, Ph.D., Sc.D., F.R.S. (Edin.), Professor of Physiology, 1909. New York City.
- Lyon, Thomas Lyttleton, B.S. in Agr., Ph.D., Professor of Soil Technology in the Federal Experiment Station, 1906.
- McAnlis, Chauncy Ruthven, B.S. in C.E., C.E., Instructor in Civil Engineering, 1915.
- McAuliffe, George Birmingham, A.B., M.D., Clinical Instructor in Surgery, Department of Otology, 1904. New York City.
- McCurdy, John Clarence, B.S., C.E., Instructor in Rural Engineering, 1915. Instructor in Civil Engineering, 1907.
- McCurdy, John T., M.D., Clinical Instructor in Medicine, Department of Psychopathology, 1913. New York City.
- McDaniels, Lawrence Howland, A.B., Instructor in Botany, 1914. Assistant, 1912.
- McDermott, George Robert, Professor of Structural Design, 1909. Assistant Professor of Naval Architecture, 1892; Professor, 1905.
- McInerney, Thomas Joseph, B.S. in Agr., M.S. in Agr., Instructor and Investigator in Dairy Industry, 1912. Assistant, 1910.
- McKelvey, Joseph Vance, A.B., A.M., Ph.D., Instructor in Mathematics, 1909.
- MacKenzie, David W., M.D., Clinical Instructor in Surgery, Department of Urology, 1910. New York City. Assistant, 1909.
- McMahon, James, A.B., A.M., Professor of Mathematics, 1904. Instructor, 1884; Assistant Professor, 1890.
- McVetty, Percy George, M.E., Instructor in Engineering Research, 1914. Instructor in Mechanical Laboratory, 1913.
- Mahood, Samuel Arthur, B.Sc., M.A., Instructor in Chemistry, 1913. Assistant, 1912.
- Mallory, William Garfield, A.B., A.M., Instructor in Physics, 1914. Assistant, 1910-11.
- Mann, Albert Russell, B.S.A., Professor of Rural Social Organizations, 1915. (Sabbatic leave.) Assistant Professor of Dairy Industry, 1908; Assistant to Director and Editor, 1908; Secretary to the College of Agriculture, 1909; Secretary, Registrar, and Professor of Agricultural Editing, 1910.
- Martin, Clarence Augustine, Professor of Architecture, 1904, and Dean of the College of Architecture, 1908. Instructor, 1894; Assistant Professor, 1895.

- Mason, James Frederick, A.B., Ph.D., Professor of the Romance Languages, 1914.
Instructor, 1909; Assistant Professor, 1912.
- Massey, Louis Melville, A.B., Instructor in Plant Pathology, 1914.
- Matheson, Robert, B.S.A., M.S. in Agr., Ph.D., Assistant Professor of Economic Entomology, 1915. Assistant in Entomology, 1909; Assistant in Biology, 1910; Instructor, 1911; Assistant Professor, 1912; Investigator in Entomology, 1913; Assistant Professor of Entomology, 1914.
- Matthews, Robertson, M.E., Assistant Professor of Power Engineering, 1913.
Instructor in Machine Design, 1907; Instructor in Power Engineering, 1908.
- Mauxion, Georges, A.D.G., Professor of Design in the College of Architecture, 1911. (Absent.)
- Mayer, Edwin Charles, A.B., Instructor in Physics, 1911. Assistant, 1909.
- Maynard, Leonard Amby, A.B., Ph.D., Assistant Professor of Animal Husbandry, 1915.
- Meade, De Voe, B.S., Instructor in Animal Husbandry, 1915.
- Meara, Frank Sherman, A.B., Ph.D., M.D., Professor of Therapeutics, 1909.
New York City.
- Meeks, Everett V., A.B., A.D.G., Acting Professor of Design in the College of Architecture, and Head of the Department, 1915.
- Melvin, Frank Edgar, A.B., A.M., Ph.D., Acting Assistant Professor of Modern European History, 1915.
- Merritt, Ernest George, M.E., Professor of Physics, 1903.
Instructor, 1889; Assistant Professor, 1892; Dean of the Graduate School, 1909-14.
- Meulen, Peter Andrew van der, B.Chem., Instructor in Mineralogy and Petrography, 1914. Assistant in Chemistry, 1912.
- Midjo, Christian, Assistant Professor of Freehand Drawing in the College of Architecture, 1912. Instructor, 1909.
- Milks, Howard Jay, D.V.M., Professor of Materia Medica and Head of the Department; Director of the Small Animal Clinic (Veterinary), 1914.
Assistant in Physiology, 1903-05; Assistant Professor of Materia Medica and Therapeutics, 1909; Professor of Therapeutics and Clinical Medicine and of Surgery of Small Animals, 1913.
- Mills, Adelbert Philo, B.S., M.S., Assistant Professor of Materials in the College of Civil Engineering, and Head of the Department, 1910.
Acting Assistant Professor, 1909.
- Mills, Grover Cleveland, B.M.E., Instructor in Machine Design, 1911.
- Minns, Lua Alice, B.S., Instructor in Floriculture, 1914. Assistant, 1912.
- Misner, Edward Gardner, B.S., Instructor in Farm Management, 1914.
- Moler, George Sylvanus, A.B., B.M.E., Professor of Physics, 1911.
Instructor, 1875; Assistant Professor, 1880.
- Monnett, Victor Elvert, A.B., Instructor in Geology, 1913.
- Monroe, Benton Sullivan, A.B., A.M., Ph.D., Assistant Professor of English, 1912.
Assistant, 1897; Instructor, 1900.
- Montgomery, Edward Gerrard, M.A., Professor of Farm Crops, 1911.
- Montillon, Eugene Davis, B.Arch., Instructor in Landscape Art, 1912.
Assistant, 1911.
- Moore, Albertus Adair, M.D., Instructor in Obstetrics, Department of Obstetrics, 1902. New York City.
- Moore, Veranus Alva, B.S., M.D., V.M.D., Dean of the New York State Veterinary College, 1908, and Professor of Comparative Pathology, Bacteriology, and Head of the Department; and Meat Inspection, 1896.
- Mordoff, Richard Alan, B.S. in Agr., Assistant Registrar, College of Agriculture, 1913. Assistant in Physical Geography, 1909-10; 1912-13; Assistant Registrar, 1910-11.
- Mordoff, William Emerson, M.E., Instructor in Rural Engineering, 1915.
- Morrill, Charles V., Instructor in Anatomy, 1915. New York City.
- Moseley, Ralph Sylvanus, Instructor in Poultry Husbandry, 1914. Assistant, 1913.

- Muchmore, Guy Brooks, A.B., Assistant Professor of Public Speaking, 1913.
- Muldoon, William E., D.V.M., Instructor in Materia Medica (Veterinary), 1913.
- Murdock, Carleton Chase, B.S., Instructor in Physics, 1914. Instructor, 1909-13.
- Murlin, John Raymond, A.M., Ph.D., Assistant Professor of Physiology, 1909. New York City.
- Myers, Clyde Hadley, B.S., M.S., Ph.D., Professor of Plant Breeding, 1914. Extension Instructor, 1911; Assistant Professor, 1912.
- Myers, Glenn E., M.D., Clinical Instructor in Medicine, Department of Psychopathology, 1912. New York City.
- Nammack, Charles Edward, Ph.B., M.D., LL.D., Professor of Clinical Medicine, Department of Medicine, 1898. New York City.
- Needham, James George, B.S., M.S., Ph.D., Professor of Entomology and Limnology, 1911. Head of Department of Entomology, 1914. Assistant Professor, 1906.
- Nichols, Edward Leamington, B.S., Ph.D., LL.D., Professor of Physics, 1887. Dean of the College of Arts and Sciences, 1913-15. (Sabbatic leave, first term.)
- Niles, Walter Lindsay, M.D., Assistant Professor of Clinical Medicine, 1912. New York City. Instructor, 1904.
- Northup, Clark Sutherland, A.B., Ph.D., Assistant Professor of English, 1903. Assistant, 1895; Instructor, 1897.
- Oberndorf, Clarence P., Clinical Instructor in Medicine, Department of Neurology, 1915. New York City.
- Ogden, Henry Neely, C.E., Professor of Sanitary Engineering and Head of the Department, 1908. Instructor in Civil Engineering, 1889-92; Assistant Professor, 1898; Assistant Professor of Sanitary Engineering, 1903.
- Orndorff, William Ridgley, A.B., Ph.D., Professor of Organic and Physiological Chemistry, 1903. Instructor, 1887; Assistant Professor, 1890.
- Orth, Samuel Peter, B.S., Ph.D., Professor of Political Science, 1913. Acting Professor, 1912.
- Osterberg, Emil, Instructor in Chemistry, 1911. New York City. Assistant, 1906.
- Overholser, Earl Long, M.S.A., Instructor in Pomology, 1914.
- Owens, Frederick William, Ph.D., Assistant Professor of Mathematics, 1915. Instructor, 1907.
- Page, E. Richard, B.S., Instructor in Electrical Engineering, 1914.
- Paine, Ernest Trowbridge, A.M., Secretary of the College of Arts and Sciences, 1913.
- Parker, McRea, M.E., Instructor in Machine Design, 1915.
- Parmley, Henry Mark, M.E., Instructor in Applied Mechanics, 1913. Instructor in Power Engineering, 1909.
- Parson, John Thomas, Assistant Professor of Drawing in the College of Civil Engineering, and Head of the Department, 1908. Instructor in Civil Engineering, 1895; Assistant Professor, 1903.
- Peck, Gilbert Warren, B.S., Extension Instructor in Pomology, 1915. Instructor, 1913-14.
- Pearson, Henry, M.D., Clinical Instructor in Anaesthesia, Department of Surgery, 1909. New York City.
- Peirce, Clarence Andrew, A.B., M.E., Instructor in Power Engineering, 1913. Instructor in Machine Design, 1911.
- Perry, John E., Instructor in Railroad Engineering, 1915.
- Pertsch, John George, jr., M.E., Instructor in Electrical Engineering, 1910. Assistant, 1909.
- Peters, Heber Wallace, A.B., Secretary of the University and University Publisher, 1914.
- Phelps, Albert Charles, B.S., M.Arch., Professor of Architecture, and Head of the Department of Architectural History, 1913. Instructor, 1899; Assistant Professor, 1903.

- Phillips, Harold Deane, A.B., B.S. in Agr., Instructor in Rural Economy, 1914.
- Pickens, Earl Max, D.V.S., Assistant Professor of Diagnosis (Veterinary), 1914.
Assistant, 1911; Instructor, 1912.
- Pickerill, Horace Mann, B.S. in Agr., Instructor and Investigator in Dairy Industry, 1915. Assistant, 1911; Instructor in Dairy Industry, 1912.
- Pidgeon, Howard A., B.S., M.S., Instructor in Physics, 1914. Assistant, 1913.
- Polk, William Mecklenburg, M.D., LL.D., Professor of Clinical Surgery, Department of Gynecology, 1898; Dean of the Medical College, 1898. New York City.
- Pollard, Ray Ford, B.S., Instructor in Farm Management, 1915.
- Pond, Miles Albion, Ph.B., Assistant Professor of Civil Engineering and Head of the Department of Descriptive Geometry, 1907. Instructor, 1902.
- Pope, Paul Russel, A.B., Ph.D., Professor of German, 1915.
Instructor, 1902; Assistant Professor, 1906.
- Prescott, Frederick Clark, A.B., Assistant Professor of English, 1903.
Assistant Professor of Rhetoric, 1897.
- Pumpelly, Laurence, A.B., Ph.D., Assistant Professor of the Romance Languages and Literatures, 1914. Assistant in Chemistry, 1908-09; Instructor in the Romance Languages and Literatures, 1910.
- Rankin, William Howard, A.B., Ph.D., Assistant Professor of Plant Pathology, 1914. Instructor, 1912.
- Ranum, Arthur, A.B., Ph.D., Assistant Professor of Mathematics, 1910.
Assistant, 1904; Instructor, 1906.
- Rasmussen, Andrew Theodore, A.B., Instructor in Physiology, 1914.
Assistant, 1913.
- Recknagel, Arthur Bernhard, B.A., M.F., Professor of Forestry, 1913.
- Reddick, Donald, A.B., Ph.D., Professor of Plant Pathology, 1911.
Assistant in Botany, 1905; Assistant in Plant Physiology, 1907; Instructor, 1908; Assistant Professor of Plant Pathology, 1909.
- Reed, Hugh Daniel, B.S., Ph.D., Assistant Professor of Zoology, 1915.
Assistant, 1900; Instructor, 1902; Assistant Professor of Neurology and Vertebrate Zoology, 1906.
- Reese, Robert Grigg, Ph.G., M.D., Professor of Clinical Surgery, Department of Ophthalmology, 1911. New York City. Clinical Assistant, 1898; Instructor, 1899.
- Rettger, Ernest William, A.B., Ph.D., Assistant Professor of Applied Mechanics, 1908. Instructor in Civil Engineering, 1907.
- Reyna, Juan Estevan, E.E., Instructor in Agricultural Drawing, 1912.
- Rhodes, Fred Hoffmann, A.B., Ph.D., Instructor in Chemistry, 1915.
Assistant, 1910-14.
- Rice, Frank Elmore, A.B., Ph.D., Instructor in Agricultural Chemistry, 1912.
Assistant, 1909.
- Rice, James Edward, B.S. in Agr., Professor of Poultry Husbandry, 1907. (Sabbatic leave, second term.) Assistant, 1892-93; Assistant Professor, 1903.
- Richards, John Harold, M.D., Instructor in Clinical Pathology and Medicine, 1911. New York City. Assistant, 1907.
- Richtmyer, Floyd Karker, A.B., Ph.D., Assistant Professor of Physics, 1911.
Assistant, 1903-04; Instructor, 1906.
- Ries, Heinrich, Ph.B., A.M., Ph.D., Professor of Geology, 1906; Head of the Department of Geology, 1914. Instructor, 1898; Assistant Professor, 1902.
- Riley, Howard Wait, M.E., Professor of Rural Engineering, 1912.
Instructor in Experimental Engineering, 1906; Instructor in Farm Mechanics, 1907; Assistant Professor, 1909.
- Riley, William Albert, B.S., Ph.D., Professor of Insect Morphology and Parasitology, 1912. Assistant, 1899; Instructor, 1901; Assistant Professor, 1906.
- Robb, Byron Burnett, B.S. in Agr., M.S. in Agr., Assistant Professor of Rural Engineering, 1913. Assistant in Farm Mechanics, 1910; Instructor, 1911.

- Robbins, William Jacob, A.B., Ph.D., Instructor in Botany, 1913.
Assistant in Plant Physiology, 1912.
- Roberts, Isaac Phillips, M.Agr., Professor of Agriculture, Emeritus, 1903.
Assistant Professor of Agriculture, 1873; Professor of Agriculture, 1874; Director of Agricultural Experiment Station, 1888; Director of College of Agriculture, 1890; Dean of Faculty of Agriculture, 1896; Lecturer in Agriculture, 1903-06.
- Robinson, Montgomery, Litt.B., B.S., Instructor in Extension Teaching, 1914.
Assistant, 1913.
- Rodgers, Ralph Chapman, M.E., A.M., Instructor in Physics, 1907. Assistant, 1905.
- Rogers, Fred Stillman, M.E., Instructor in Machine Design, 1914.
- Rogers, John, A.B., Ph.D., M.D., Professor of Clinical Surgery, Department of Surgery, 1909. New York City. Instructor, 1898.
- Roper, Joseph Charles, M.D., Clinical Instructor in Medicine, Department of Pediatrics, 1911. New York City. Assistant Instructor in Histology, 1901-06.
- Rose, Flora, B.S., M.A., Professor of Home Economics, 1911. Lecturer, 1907.
- Ross, Harold Ellis, B.S.A., M.S. in Agr., Professor of Dairy Industry, 1912.
Assistant, 1906; Instructor, 1907; Assistant Professor, 1909.
- Rowlee, Willard Winfield, B.L., D.Sc., Professor of Botany in the College of Arts and Sciences, 1906. Instructor, 1889; Assistant Professor, 1893.
- Saby, Rasmus S., Ph.D., Assistant Professor of Political Science, 1912.
Assistant, 1909; Instructor in Economics, 1910.
- Sampson, Martin Wright, B.A., M.A., Goldwin Smith Professor of English Literature, 1912, and Head of the Department of English, 1909.
Acting Professor, 1908; Professor, 1909.
- Samuels, Bernard, M.D., Clinical Instructor in Surgery, 1915. New York City.
- Santee, Harold Elmore, A.B., M.D., Instructor in Operative Surgery and Obstetrics, Department of Obstetrics, 1914. Assistant, 1913.
- Savage, Elmer Seth, B.S. in Agr., M.S. in Agr., Ph.D., Professor of Animal Husbandry, 1913. Assistant, 1907; Instructor, 1908; Assistant Professor, 1910.
- Sawdon, Will Miller, B.S. in M.E., M.M.E., Assistant Professor of Mechanical Engineering, 1908. Instructor, 1904.
- Schelleng, John Christopher, A.B., Instructor in Physics, 1915. Assistant, 1915.
- Schmidt, Nathaniel, A.B., A.M., Professor of Semitic Languages and Literatures, 1896.
- Schneck, Henry William, B.S.A., M.S.A., Instructor in Vegetable Gardening, 1913.
- Schoder, Ernest William, B.S., Ph.D., Assistant Professor of Experimental Hydraulics and Head of the Department, 1905. Engineer, in charge of the Hydraulic Laboratory, 1904.
- Schramm, Jacob R., Ph. D., Assistant Professor of Botany in the New York State College of Agriculture, 1915.
- Schultze, Otto Henry, A.B., M.D., Assistant Professor of Pathological Anatomy 1908, and Professor of Medico-Legal Pathology, 1912. New York City.
Instructor, 1898; Lecturer, 1904.
- Schwartz, Hans Jörge, M.D., Instructor in Clinical Pathology, 1911, and Clinical Instructor in Surgery, Department of Dermatology, 1906. New York City. Assistant, 1903.
- Scoville, Gad Parker, B.S. in Agr., Assistant Professor of Farm Management, 1914.
- Seery, Francis Joseph, Bach. Mech. Sci., Assistant Professor of Civil Engineering, 1907. Instructor, 1905.
- Seulke, Karl John, B.S.A., M.S.A., Instructor in Animal Husbandry, 1914.
- Shaffer, Newton Melman, M.D., Professor of Clinical Surgery, Department of Orthopedics, Emeritus, 1912, and of Orthopedic Surgery, Emeritus, 1913.
Professor of Orthopedic Surgery, 1898; Professor of Orthopedics, 1900; Professor of Clinical Surgery, Department of Orthopedics, 1906-11.

- Shannon, William, A.B., M.D., Clinical Instructor in Medicine, Department of Pediatrics, 1899. New York City.
- Shaper, Bernard William, B.S., Instructor in Extension Teaching, 1915.
Assistant in Physical Culture, 1912; Assistant in Extension Teaching, 1914.
- Sharp, Herbert Medill, M.E., Instructor in Electrical Engineering, 1915.
- Sharp, Lester Wayland, B.S., Ph.D., Instructor in Botany in the College of Agriculture, 1914.
- Sharpe, Francis Robert, B.A., Ph.D., Assistant Professor of Mathematics, 1910.
Assistant, 1905; Instructor, 1906.
- Shearer, John Sandford, B.S., Ph.D., Professor of Physics, 1909.
Assistant, 1893; Instructor, 1894; Assistant Professor, 1903.
- Sheldon, William Hills, M.D., Instructor in Medicine, 1911. New York City.
Assistant, 1910.
- Shigley, James Fremont, B.Pd., Ph.D., Instructor in Veterinary Surgery, 1915.
Assistant, 1914.
- Sicard, Montgomery Hunt, B.S., M.D., Instructor in Physical Diagnosis, 1901,
and in Therapeutics, 1910. New York City.
- Sill, Henry Augustus, A.B., A.M., Ph.D., Professor of Ancient History, 1909.
Assistant Professor, 1902.
- Silverman, Louis Lazarus, A.B., A.M., Ph.D., Instructor in Mathematics, 1909.
- Simpson, Sutherland, D.Sc., M.D., F.R.S.E., Professor of Physiology, 1908.
- Smith, Albert William, B.M.E., M.M.E., Professor of Power Engineering, and
Head of the Department; and Dean of Sibley College, 1904.
Assistant Professor, 1887-91.
- Smith, Clinton DeWitt, B.S., M.S., Instructor in Extension Teaching, 1915.
Assistant in the Agricultural Experiment Station, 1890-92.
- Smith, Frederick Miller, A.B., Instructor in English, 1910.
- Smith, Harmon, A.B., M.D., Professor of Clinical Surgery, Department of
Laryngology and Rhinology, 1913.
- Snyder, Virgil, B.S., A.M., Ph.D., Professor of Mathematics, 1910.
Instructor, 1895; Assistant Professor, 1903.
- Somers, Ransom Evarts, A.B., A.M., Ph.D., Instructor in Economic Geology,
1912.
- Spaulding, Harry Van Ness, M.D., Instructor in Operative Surgery, 1914. New
York City.
- Spring, Samuel Newton, A.B., M.F., Professor of Forestry, 1912.
- Stagg, Charles Tracey, LL.B., Professor of Procedure in the College of Law, and
Secretary of the College, 1914. Instructor, 1908; Assistant Professor of Law, 1909.
- Stapley, Edward Ray, Instructor in Civil Engineering, 1914.
- Stenberg, Theodore T., Instructor in Public Speaking, 1914.
- Stephenson, Herman N., M.E., Instructor in Machine Design, 1915.
Instructor in Experimental Engineering, 1908; Instructor in Machine Design,
1909-10.
- Stevens, Alexander Chilson, M.E., Instructor in Electrical Engineering, 1911.
- Stevens, Shepherd, A.B., A.D.G., Assistant Professor of Architecture, 1915.
- Stewart, Vern Bonham, B.A., Ph.D., Assistant Professor of Plant Pathology,
1913. Investigator, 1912.
- Stillman, Ralph G., M.D., Instructor in Clinical Medicine, 1912. New York City.
- Stimson, Lewis Atterbury, A.B., M.D., LL.D., Professor of Surgery, 1898. New
York City.
- Stockard, Charles Rupert, B.S., M.S., Ph.D., Professor of Anatomy, 1911.
New York City. Assistant in Embryology and Histology, 1906; Instructor in
Comparative Morphology, 1908; Assistant Professor, 1909.
- Stocking, William Alonzo, jr., B.Agr., B.S.A., M.S. in Agr., Professor of Dairy
Industry, 1909. (Sabbatic leave, first term.)
Assistant Professor, 1906; Acting Director of the College of Agriculture, 1913-14.

- Stone, John Lemuel, B.Agr., Professor of Farm Practice, 1907. Assistant, 1897; Assistant Professor, 1903.
- Strahan, James Lewis, B.S. in Agr., M.S. in Agr., Instructor in Rural Engineering, 1913. Assistant in Military Science and Tactics, 1911-12; Assistant in Farm Mechanics, 1912.
- Strauss, Israel, A.B., M.D., Assistant Professor of Neuro-Anatomy, 1912. New York City. Assistant, 1902; Instructor, 1903.
- Strunk, William, jr., A.B., Ph.D., Professor of English, 1909. Instructor, 1891; Assistant Professor, 1899.
- Sturgis, Cony, A.B., Instructor in the Romance Languages, 1915. Instructor, 1908-10.
- Sumner, James Batcheller, Ph.D., Assistant Professor of Biochemistry in the Department of Physiology, 1914.
- Sunderville, Earl, D.V.M., Assistant Professor of Veterinary Anatomy, 1913. Assistant, 1908; Instructor, 1909.
- Supplee, George Cornell, B.S., M.S. in Agr., Instructor in Dairy Industry, 1914. Assistant, 1912.
- Swisher, Charles Lee, A.B., Instructor in Physics, 1914. Assistant, 1913.
- Tailby, George Walter, jr., B.S.A., Instructor and Superintendent of Live Stock, 1907.
- Tanner, John Henry, B.S., Ph.D., Professor of Mathematics, 1904. Instructor, 1892; Assistant Professor, 1894.
- Tappan, Frank Girard, A.B., M.E., M.A., Instructor in Electrical Engineering, 1907.
- Taylor, Alfred S., M.D., Professor of Operative Surgery, 1914. New York City. Lecturer on the Peripheral Nervous System, 1910; Lecturer on Surgery, 1911; Assistant Professor of Operative Surgery, 1913.
- Thatcher, Charles Garrett, A.B., Instructor in Machine Design, 1915. Instructor in Experimental Engineering, 1914.
- Thayer, Clark Leonard, B.Sc., Instructor in Floriculture, 1915. Assistant, 1914.
- Thilly, Frank, A.B., Ph.D., LL.D., Professor of Philosophy, 1906; and Dean of the College of Arts and Sciences, 1915. Instructor, 1892-93.
- Thomas, Cecil Calvert, A.B., A.M., Instructor in Botany in the College of Agriculture, 1913.
- Thomas, Charles Edwin, Instructor in Experimental Engineering, 1914.
- Thompson, Arthur Lee, M.S. in Agr., Ph.D., Assistant Professor of Farm Management, 1914. Assistant in Dairy Industry, 1910; Instructor in Farm Management, 1911.
- Thompson, Charles Fullington, 1st Lieutenant of 16th Infantry, U. S. A., Professor of Military Science and Tactics, 1915.
- Thompson, William Gilman, Ph.B., M.D., Professor of Medicine, 1898. New York City.
- Thro, William Crooks, B.S.A., A.M., M.D., Assistant Professor of Clinical Pathology, 1910. New York City. Assistant, 1901; Instructor, 1902-05; 1910.
- Tilley, Norman Nevil, M.E., Instructor in Experimental Engineering, 1915.
- Titchener, Edward Bradford, A.B., A.M., Ph.D., LL.D., D.Sc., Litt.D., Sage Professor of Psychology in the Graduate School, 1910; Lecturer in Psychology and Head of the Department, 1912. Assistant Professor, 1892; Professor, 1895.
- Titworth, Bertha E., A.B., B.S., Instructor in Home Economics, 1913.
- Torrey, John Cutler, A.B., Ph.D., Professor of Hygiene, 1915. New York City. Assistant Instructor, 1903; Instructor, 1909; Assistant Professor of Experimental Pathology, 1910, and Lecturer in Hygiene, 1909.
- Townsend, Clarence Ellsworth, M.E., Instructor in Machine Design, 1910.
- Trevor, Joseph Ellis, Ph.D., Professor of Thermodynamics, 1908. Assistant Professor of Chemistry, 1892; Assistant Professor of General and Physical Chemistry, 1894; Professor, 1900; Professor of Physical Chemistry, 1903.

- Troy, Hugh Charles, B.S. in Agr., Professor of Dairy Industry, 1912. Assistant, 1897.
- Tuck, Charles Henry, A.B., Professor of Extension Teaching, 1910. Assistant in Oratory, 1905; Supervisor Farmer's Reading Course, 1906; Assistant Professor of Extension Teaching, 1907.
- Turner, John Roscoe, B.S., M.S., Ph.D., Assistant Professor of Economics, 1913. Assistant, 1908; Instructor, 1909; Lecturer, 1911.
- Turner, Kenneth Bertrand, C.E., M.C.E., Assistant Professor of Hydraulics, 1908. (Sabbatic leave, first term.) Instructor Civil Engineering, 1906.
- Tuttle, Edward Mowbray, B.S. in Agr., A.B., Assistant Professor of Rural Education, 1912. Assistant, 1911; Instructor, 1912.
- Tyler, Charles Mellen, A.B., A.M., D.D., Professor of the History and Philosophy of Religion and of Christian Ethics, Emeritus, 1906. Professor, 1891; Lecturer, 1903-06.
- Tyrrell, William David, M.D., Clinical Instructor in Medicine, Department of Pediatrics, 1908. New York City.
- Udall, Denny Hammond, B.S.A., D.V.M., Professor of Veterinary Medicine and Head of the Department; Director of Ambulatory Clinic, 1910. Demonstrator, 1900-01; Acting Professor, 1908.
- Underwood, Paul Halladay, C.E., Assistant Professor of Topographic and Geodetic Engineering, 1912. Instructor in Civil Engineering, 1907.
- Upton, George Burr, M.E., M.M.E., Assistant Professor of Experimental Engineering, 1910. Instructor, 1905.
- Urband, Edward Milton, B.Arch., M.Arch., Instructor in Architecture, and Assistant in Home Economics, 1915.
- Urquhart, Leonard Church, C.E., Instructor in Civil Engineering, 1911.
- Usher, Abbott Payson, A.B., A.M., Ph.D., Assistant Professor of Economics, 1914. Instructor, 1910.
- Vance, Benjamin, Instructor in Pathology and Pathologist to the Second Division, Bellevue Hospital, 1915. New York City.
- Vandegrift, George W., A.M., M.D., Clinical Instructor in Surgery, Department of Ophthalmology, 1911. New York City.
- Van Rensselaer, Martha, A.B., Professor of Home Economics, 1911. Supervisor of Farmer's Wives' Reading Course, 1903; Lecturer, 1907.
- Vinton, Frances, Instructor in Home Economics, 1915.
- Vollmer, Clement, A.B., Ph.D., Instructor in German, 1915.
- Volz, E. C., Instructor in Floriculture, 1915.
- Walker, Charles Leopold, C.E., Assistant Professor of Sanitary Engineering, 1912. Instructor in Civil Engineering, 1905; Assistant Professor of Applied Mechanics, 1908.
- Wallace, Charleton, M.D., Professor of Clinical Surgery, Department of Orthopedic Surgery, 1914. New York City. Assistant Professor, 1913.
- Wann, Frank B., Instructor in Botany, 1915.
- Warner, Annette J., Assistant Professor of Design in the Department of Home Economics, 1913.
- Warren, George Frederick, jr., B.Sc., B.S.A., M.S.A., Ph.D., Professor of Farm Management, 1909. Assistant Professor of Agronomy, 1906.
- Warsaw, Wesley Worth, B.S. in A.E., Extension Instructor in Soil Technology, 1914.
- Waters, Harry Hill, M.E., Instructor in Machine Design, 1913. Assistant, 1912.
- Weeks, Paul Thorne, A.B., Instructor in Physics, 1914. Assistant, 1913.
- Weil, Richard, A.B., A.M., M.D., Assistant Professor of Experimental Pathology, 1911. New York City. Demonstrator, 1904; Assistant, 1908; Instructor, 1909.
- Weimer, James Leroy, A.B., Extension Instructor in Plant Pathology, 1914.
- Weld, Harry Porter, Ph.B., Ph.D., Assistant Professor of Psychology, 1912.
- Wells, Albert Edward, Assistant Professor of Machine Construction, and Head of the Department, 1912. Foreman of Machine Shop, 1904; Superintendent of Shops, 1905.

- Welsh, Thomas Whitney Benson, A.B., Ph.D., Instructor in Chemistry, 1909.
Assistant, 1907.
- Wheeler, Ralph Hicks, B.S., Assistant Professor of Extension Teaching, 1912.
Assistant, 1909; Instructor, 1910; Assistant, 1911.
- Whetzel, Herbert Hice, A.B., A.M., Professor of Plant Pathology, 1909.
Assistant, 1903; Assistant Professor, 1906.
- Whitbeck, Brainerd H., M.D., Clinical Instructor in Orthopedic Surgery,
Department of Orthopedic Surgery, 1911. New York City.
- White, Andrew Curtis, A.B., Ph.D., Reader in Greek, 1903, and Assistant Librarian, 1889. Instructor in Latin, 1885-86; Instructor in Greek and Latin, 1886-88; Instructor in Latin, 1888-89; Instructor in Greek, 1898-99; Reader in Greek, 1899-01.
- White, Edward Albert, B.S., Professor of Floriculture, 1913.
- White, Ernest Charles, B.S., Instructor in Civil Engineering, 1911.
- Whiting, Frederick, A.M., M.D., Professor of Clinical Surgery, Department of Otology, 1904. New York City.
- Whitney, Cass Ward, B.S., Instructor in Extension Teaching, 1913.
- Wiegand, Karl McKay, B.S., Ph.D., Professor of Botany in the College of Agriculture, 1913. Assistant, 1894; Instructor, 1899-07.
- Wiggans, Roy Glen, B.S., M.S., Instructor in Farm Crops, 1915.
Assistant in Agronomy, 1914.
- Wiggers, Carl J., M.D., Assistant Professor of Physiology, 1913. New York City.
Instructor, 1911.
- Wilder, Burt Green, B.S., M.D., Professor of Neurology and Vertebrate Zoology, Emeritus, 1910.
Professor of Comparative Anatomy and Zoology, 1867; Professor of Physiology, Anatomy, and Zoology, 1878; Professor of Physiology, Vertebrate Zoology and Neurology, 1893; Professor of Neurology and Vertebrate Zoology, 1905.
- Wilkinson, Albert Edmund, B.S., Extension Instructor in Vegetable Gardening, 1913. Instructor and Investigator in Horticulture, 1912.
- Willcox, Walter Francis, A.B., LL.B., A.M., Ph.D., LL.D., Professor of Economics and Statistics, 1910.
Instructor in Logic, 1891; Assistant Professor of Social Science and Statistics and Political Economy, 1892; Assistant Professor of Social Science and Statistics 1893; Associate Professor, 1894; Professor, 1898; Professor of Political Economy and Statistics, 1901; Dean of the Faculty of Arts and Sciences, 1901-07.
- Williams, Henry Shaler, Ph.B., Ph.D., Professor of Geology, Emeritus, 1912.
Assistant Professor, 1879; Assistant Professor of Paleontology, 1880; Professor, 1884; Professor of Geology and Paleontology, 1886-92; Dean of the General Faculty, 1887-88; Professor of Geology, and Head of the Department, 1904.
- Williams, Walter Long, Professor of Obstetrics and Research and Head of the Department; Professor of the Diseases of Breeding Cattle, 1915.
Professor of Principles and Practice of Veterinary Surgery, Zootechny, Obstetrics, and Jurisprudence, 1896; Professor of Veterinary Surgery and Obstetrics and Investigator of Diseases of Young Animals and Breeding Cattle, 1914.
- Wilson, James Kenneth, B.S., Ph.D., Assistant Professor of Soil Technology, 1914.
Assistant in Plant Physiology, 1912; Instructor in Botany, 1913.
- Wilson, Wilford Murry, M.D., Professor of Meteorology, 1910.
Lecturer, 1906; Instructor, 1907.
- Winans, James Albert, A.B., A.M., LL.B., Professor of Public Speaking, 1914.
Instructor, 1899; Acting Assistant Professor, 1901; Instructor, 1903; Assistant Professor, 1904.
- Wing, Henry Hiram, B.Agr., M.S. in Agr., Professor of Animal Husbandry, 1903.
Instructor in Dairy Industry, 1890; Assistant Professor of Animal Husbandry and Dairy Industry, 1891; Professor, 1902.
- Wing, Lucius A., B.S., M.D., Clinical Instructor in Surgery, 1912. New York City.
- Winters, Joseph Edcil, M.D., Professor of Clinical Medicine, Department of Pediatrics, 1898. New York City.
- Witthaus, Rudolph August, A.B., A.M., M.D., Professor of Chemistry, Emeritus, 1911. New York City. Professor, 1898.

- Wood, Edgar Harper, M.E., M.M.E., Professor of Mechanics of Engineering, and Head of the Department, 1910. (Sabbatic leave, first term.)
Instructor in Drawing, 1899; Assistant Professor of Machine Design, 1907.
- Woodbury, Robert Morse, A.B., A.M., Ph.D., Instructor in Economics, 1915.
Instructor, 1912-13.
- Woodruff, Edwin Hamlin, LL.B., Professor of Law, 1896. Acting Dean of the College of Law, 1914. Instructor in English, 1888-90.
- Woolsey, George, A.B., M.D., Professor of Clinical Surgery and Anatomy, 1898.
New York City.
- Worcester, James, M.D., Instructor in Clinical Surgery, 1915. New York City.
- Work, Paul, A.B., B.S., M.S. in Agr., Instructor in Vegetable Gardening and Superintendent of the Department, 1913. Instructor and Investigator in Vegetable Gardening, 1910.
- Works, George Alan, Ph.B., M.S. in Agr., Professor of Rural Education, 1914.
- Wright, Albert Hazen, A.B., A.M., Ph.D., Assistant Professor of Zoology, 1915.
Assistant in Neurology, and Vertebrate Zoology. 1905; Instructor, 1908.
- Wright, Lewis Horatio, D.V.M., Instructor in Medicine in the Veterinary College, 1915.
- Wright, William K., A.B., Ph.D., Instructor in Philosophy, 1913; Lecturer on Education, 1914.
- Wright, W. W., M.D., Clinical Instructor in Medicine, Department of Psychopathology, 1912. New York City.
- Wyckoff, DeWitte B., LL.B., Acting Assistant Professor of Law, 1914.
- Young, Allyn Abbott, Ph.B., Ph.D., Professor of Economics and Finance, 1913.
- Young, Charles Van Patten, A.B., Professor of Physical Culture and Director of the Gymnasium, 1906. Acting Professor, 1904.
- Young, George, jr., B.Arch., Professor of the Theory of Construction in the College of Architecture and Head of the Department, 1915.
Assistant Professor, 1909.
- Young, Helen Binkerd, B.Arch., Assistant Professor of Domestic Art, 1911.
Instructor, 1910.
- Zimmer, Elmer Rosel, Instructor in Animal Husbandry, 1914. Assistant, 1913.
- Zinnecker, Wesley Daniel, Ph.D., Instructor in German, 1910.

ASSISTANTS

- Abell, Max Flavel, Farm Crops.
- Adamson, William Augustus, B.A., Chemistry.
- Allen, Charles Ethan, A.B., Histology and Embryology.
- Anderson, Ernest Gustaf, B.S.A., Plant Breeding.
- Antell, Henrik, Military Science and Tactics (Captain).
- Bailey, Austin, Physics.
- Baker, Brothwell Hotchkiss, Forestry.
- Banner, Erford Lynn, B.S., Poultry Husbandry.
- Bauder, Harry Devoe, M.S. in Agr., Dairy Industry.
- Beaumont, Arthur Bishop, B.S., Soil Technology.
- Bechtel, Albert Reiff, B.S., A.M., Botany in Agriculture.
- Benson, John Phineus, B.S., Botany in Agriculture.
- Billings, William Arthur, Diagnosis, College of Veterinary Medicine.
- Bishop, Homer Guy, B.S., M.S., M.A., Psychology.
- Bishop, Sherman C., Entomology.
- Blackburn, Harold Coleman, Physics.
- Blakelock, David Hazen, Military Science and Tactics (Captain).
- Blakey, Susie, Home Economics.
- Block, Nicholas B., Machine Shop.
- Braun, Harry, B.S., Plant Pathology.
- Bray, Mark Wilder, A.B., M.S., Chemistry.

- Brezee, (Miss) Elizabeth Lenita, Anatomy, New York City.
 Bridgman, J. Allington, B.Chem., Chemistry.
 Bromley, John Hallock, B.S., Soil Technology.
 Brooks, Charles Albert, Forge Shop.
 Brooks, Frederic Day, Poultry Husbandry.
 Brown, Ethel, Anatomy, New York City.
 Brown, Lawrence Glenn, Entomology.
 Browning, Homer, Military Science and Tactics (Captain).
 Brundage, Walter H., Medicine, Department of Medicine, New York City.
 Buck, William Benjamin, Machine Shop.
 Bulkley, Kenneth, M.D., Clinical Surgery, New York City.
 Bull, William Francis, Military Science and Tactics (Captain).
 Burr, Emily T., A.B., Technical Assistant, Department of Pathology, New York City.
 Bush, Howard Stanley, Wood Shop.
 Candee, Robert Chapin, A.B., Military Science and Tactics (Major).
 Canon, Helen, Home Economics.
 Carney, Harry Beahn, Physical Geography.
 Carrick, Doak Bain, A.B., Pomology.
 Carroll, Charles Hardy, B.A., Physiology and Biochemistry.
 Cassassa, Charles, S.B., A.B., M.D., Pathological Anatomy, New York City.
 Chambers, Robert, jr., Anatomy, New York City.
 Chapman, Wilbur Fiske, A.B., Political Science.
 Claassen, Peter Walter, A.B., A.M., Entomology.
 Clark, Charles Parsons, B.S., Farm Management.
 Cole, Howard Irving, B.Chem., Chemistry.
 Conlin, Henry Joseph, A.B., B.Chem., Agricultural Chemistry.
 Conner, Earle, M.D., Surgery, Department of Otology, New York City.
 Corwith, Howard Post, Military Science and Tactics (Captain).
 Davis, Helen B., A.B., Medicine, New York City.
 Dean, Elizabeth, A.B., Botany.
 Deatrick, Eugene Peyton, A.B., Soil Technology.
 Degner, Lyda May, A.B., Zoology.
 De Porte, Joseph Vital, A.B., A.M., Mathematics.
 Dickson, Bertram Thomas, B.A., Plant Pathology.
 Diederichs, Hugo N., Machine Shop.
 Douglass, William A., A.B., Chemistry.
 Du Bois, C. O., Extension Teaching.
 Eldridge, John Adams, B.A., Physics.
 Elley, Harold Walter, B.S., M.A., Chemistry.
 Elliott, C. H., Poultry Husbandry.
 Engelder, Carl John, A.B., B.Chem., Chemistry.
 Erickson, Lawrence, B.A., Botany in the New York State College of Agriculture.
 Erskine, Archibald Mortimer, B.Chem., Chemistry.
 Eschweiler, Carl Ferdinand, Physical Culture.
 Evans, Deward Armenias, Foundry.
 Evans, Paul De Mund, A.B., A.M., Modern European History.
 Evans, Samuel Morley, M.D., Medicine, Department of Pediatrics, New York City.
 Fink, Gail J., A.B., Ph.D., Soil Technology.
 Finley, David Henry, Military Science and Tactics (Major).
 Flagg, Kenyon Putnam, B.S., Zoology.
 Fleming, Edith Cuthbert, Home Economics.
 Flynn, William Francis, B.Chem., Agricultural Chemistry.
 Ford, Allen Wescott, Chemistry.
 Friedman, William Frederick, B.S., Plant Breeding.
 Frost, Stuart Ward, Entomology.
 Fuller, Glen L., Soil Technology.
 Gage, George R., B.S., M.S., Botany in the New York State College of Agriculture.
 Georgia, Ada Elgiva, Nature Study.

Gere, James Belden, M.D., Neuro-Pathology, New York City.
 Gilchrist, Raleigh, A.B., Chemistry.
 Globus, J. H., Anatomy, New York City.
 Goldberg, Samuel Alexander, D.V.M., Pathology, New York State Veterinary College.
 Graham, Samuel Alexander, B.S., Entomology.
 Gray, Harold Thomas, Physical Culture.
 Grier, Lucie, Entomology.
 Griscom, Ludlow, A.M., Entomology.
 Gutsell, Robert Squier, Histology and Embryology.
 Hadley, Charles Harvey, jr., B.S., Investigator in Entomology.
 Ham, Edward Sleight, B.S., Animal Husbandry.
 Haman, Miles Bertine, B.S., Forestry.
 Hamburg, Alexander Maxwell, Economics.
 Hamnett, Frank Shaver, Dairy Industry.
 Hancy, Anna Jane, A.B., Botany in New York State College of Agriculture.
 Hargett, Charles T., Mechanician, Physics.
 Harvey, Lew Ellsworth, B.S.A., Farm Management.
 Hatch, Duane Spencer, B.S., Extension Teaching.
 Hawley, Ira Myron, A.B., Economic Entomology.
 Head, Walter Liston, Foreman Forge Shop.
 Heinsohn, Edward Charles, B.S., Poultry Husbandry.
 Helmick, Ben Coe, B.S. in Agr., M.S. in Agr., Plant Breeding.
 Hermannsson, Halldor, Lecturer in German.
 Hess, Walter Norton, A.B., Entomology.
 Heuser, Gustave Frederick, B.S., Poultry Husbandry.
 Hill, Mary E., B.S., Entomology.
 Hooper, Leroy, Foreman of Pattern Shop.
 Hopkins, Edwin Fraser, B.S., Plant Pathology.
 Howe, Burdette Newton, Machine Shop.
 Hughes, Ruby Beatrice, B.A., A.M., Entomology.
 Hunn, Charles Edward, Plant Propagation.
 Jackson, Howard Campbell, B.S., Dairy Industry.
 Jacot, Arthur Paul, Zoology.
 Jenks, Leon E., B.S., M.S., Chemistry.
 Jennings, David Stout, B.S., Soil Technology.
 Johnson, Edgar Blauvelt, B.Chem., Chemistry.
 Jones, Verne Reuben, B.S., Dairy Industry.
 Kennedy, Clarence Hamilton, A.B., A.M., Entomology.
 Kennedy, John Joseph, B.Chem., Chemistry.
 Kirk, William, A.B., M.A., Chemistry.
 Knowlton, Harry E., B.S., Botany in New York State College of Agriculture.
 Koch, Catherine Elizabeth, B.S., Entomology.
 Koller, Joseph Peter, B.Chem., Chemistry.
 Kovacs, Frank, Chemistry.
 Krum, Walter Gernet, Poultry Husbandry.
 Kunz, George W., M.D., Surgery, Department of Otology, New York City.
 La Follette, Rollin J., A.B., Entomology.
 Lake, Dyer Barker, B.S., M.S., Chemistry.
 Landon, Charles Howard, Machine Design.
 Latshaw, Joseph Bruce, B.S.A., Veterinary Pathology and Bacteriology.
 Lawritzen, John Irwin, B.S., Botany in New York State College of Agriculture.
 Leonard, Mortimer Demarest, B.S., Entomology in Extension.
 Lindstrom, Ernest Walter, A.B., Plant Breeding.
 Lobdell, Richard Nugent, B.S., M.S., Entomology.
 Lohr, Lenox Riley, Military Science and Tactics (Colonel).
 McCoy, Daniel Chauncey, Chemistry.
 MacGowan, Hilliard Vincent, Military Science and Tactics (Captain).
 Mack, Edward Lawrence, B.S., Chemistry.
 MacKenzie, Hugh, English History.

- McKinney, Asa, Chemistry.
 McMeans, J. W., Surgery, New York City.
 Maguire, William Howard, A.B., English History.
 Maver, W. W., Roentgenology, New York City.
 Metcalf, Franklin Post, B.A., Botany in New York State College of Agriculture.
 Moesel, Julia, Zoology.
 Moore, Erwin Veranus, Veterinary Anatomy.
 Morath, George Sylvester, B.S., Physics.
 Morton, Myron, Animal Husbandry.
 Moses, Winifred, B.S., Home Economics.
 Mulcahy, Thomas A., M.D., Surgery, Department of Otology, New York City.
 Murayama, H., Preparateur in Anatomy, New York City.
 Myers, William Irving, B.S., Farm Management.
 Nelson, Thomas Leete, Chemistry.
 Nobak, Gustav J., Histology and Embryology.
 Norris, Charles, Ph.B., M.D., Demonstrator in Pathological Anatomy, New York City.
 Nye, Claribel, B.S., Home Economics.
 O'Connell, Walter Christopher, Wrestling.
 Olsson, Axel, A.B., Paleontology and Stratigraphic Geology.
 Papanicolan, George, Ph.D., M.D., Anatomy, New York City.
 Pearsall, George Martin, M.E., Physics.
 Phipps, George Robinson, B.S., Military Science and Tactics (Major).
 Pollard, Frank Howell, Chemistry.
 Pollock, Jacob John, B.S., Plant Breeding.
 Price, Harry W., Machine Shop.
 Proctor, Jules Gabriel, A.B., Philosophy.
 Putney, Charles Melton, Histology and Embryology.
 Rahe, Alfred Henry, M.D., Hygiene, New York City.
 Ray, Arthur Benning, B.A., M.A., Chemistry.
 Riche, Jesse Austen, Physiology, New York City.
 Saunders, Walter LeRoy, Military Science and Tactics (Captain).
 Schmidt, Karl Patterson, Entomology.
 Schumm, Paul Berwig, B.S., Medieval History.
 Scoville, Ralph Irving, B.S., Dairy Industry.
 Schradieck, Henry Edward, Entomology.
 Severance, Mildred, A.B., Physics.
 Severy, Harold Allen, A.B., A.M., Botany in the New York State College of Agriculture.
 Shadle, Albert Ray, B.A., M.A., Zoology.
 Sheldon, Pearl Gertrude, A.B., Ph.D., Geology.
 Sherwood, Fleming Bates, B.S., M.S., Chemistry.
 Sherwood, Francis Webber, B.S., M.S., Chemistry.
 Shevlin, E., Physical Culture.
 Sifton, H. B., Botany in New York State College of Agriculture.
 Smith, Janet S., Home Economics.
 Smith, Roger Cletus, A.B., M.A., Biology.
 Smith, Theodore Levi, Astronomy.
 Sponable, Earl Irn, Chemistry.
 Stobbs, William Malcolm, A.B., Anatomy.
 Stork, Harvey Elmer, A.B., Botany in the College of Arts and Sciences.
 Stotz, John Kenning, Military Science and Tactics (Captain).
 Stratton, Robert, A.B., Botany in New York State College of Agriculture.
 Stupp, Charles Gasner, Chemistry.
 Suiter, Norman Wesley, Military Science and Tactics (Captain).
 Sutcliffe, Harold Taylor, Military Science and Tactics (Captain).
 Sutton, John Edward, jr., A.B., Anatomy.
 Sweet, Alfred Henry, A.B., A.M., English History.
 Thomas, Allen Job, A.B., LL.B., Philosophy.
 Thompson, James Dilley, jr., B.Sc., Physical Geography.
 Thompson, John Graham, B.Chem., Chemistry.
 Townsend, Prescott Winson, Ancient History.

Tressler, Donald K., A.B., Chemistry.
 Vanderhoef, James Elijah, Foreman of Foundry.
 Van Fleet, M. E., Medicine, Department of Neurology, New York City.
 Van Horson, John Marinus, Political Science.
 Vorhies, C. T., Entomology.
 Walcott, Sidney Stevens, American History.
 Ward, George Gray, jr., M.D., Gynecology, New York City.
 Watkins, Myron Webster, A.B., Political Science.
 Wendelken, Gerd Miller, B.A., Entomology.
 Wentz, John Budd, B.S.A., Farm Crops.
 White, Ward Benjamin, A.B., Chemistry.
 Wiggans, Roy Glen, B.S., Farm Crops.
 Williams, Ethel May, A.B., Pathology and Bacteriology (Veterinary).
 Wilson, Benjamin Dunbar, B.S., M.S., Soil Technology.
 Wolcott, Henry Newton, B.S., Geology.
 Wolcott, Wallace Henry, Geology.
 Woods, William Colcord, A.B., Entomology.
 Working, Hollrook, A.B., Political Science.
 Yorkey, William Raymond, B.S., Physics.
 Young, Wallace Shipman, Poultry Husbandry.
 Zimm, Louis Arthur, Forestry.
 Zinssmeister, Carl Luther, B.S., Botany.

LECTURERS

Bannister, L. Ward, Lecturer on the Western Water Rights and Irrigation Law.
 Persons, James W., LL.B., Lecturer on the Bankruptcy Law.
 Taft, William Howard, B.A., LL.B., LL.D., Professor of Constitutional Law in the Law Department of Yale University; Lecturer on the Goldwin Smith Foundation in the College of Arts and Sciences.

STANDING COMMITTEES OF THE UNIVERSITY FACULTY

The year in parenthesis indicates the date of retirement.

Committee on Admission by Certificate. Professor G. P. Bristol (1916), chairman; the Secretary of the University Faculty; Professors W. W. Comfort (1916); W. E. Lunt (1917); B. S. Monroe (1917); E. Blaker (1918); H. C. Davidsen (1918); G. A. Works, (1919); J. H. Tanner (1919); the Registrar.

Committee on Student Affairs. Professor D. S. Kimball (1916), chairman; the Secretary of the University Faculty; Professors C. F. Thompson (1916); G. W. Herrick, substitute for A. R. Mann (1917); V. A. Moore (1917); A. W. Browne (1918); W. F. Willcox (1918); E. Blaker (1919); C. A. Martin (1919); the Registrar.

Committee on University Undergraduate Scholarships. The Secretary of the University Faculty, chairman; Professors A. C. Gill (1916); H. N. Ogden (1916); F. C. Prescott (1917); L. Pumpelly (1917); A. W. Boesche (1918); J. S. Shearer (1918); J. H. Tanner (1919); C. E. Bennett (1919).

Committee on University Policy. The President; the Secretary of the University Faculty; the Dean of the Graduate School; the Deans of the several College Faculties; the Secretary of the Medical College at Ithaca.

Committee on Relations to Secondary Schools. The Secretary of the University Faculty; Professors G. P. Bristol, chairman; C. Betten, substitute for A. R. Mann; D. S. Kimball; M. W. Sampson; H. D. Reed; J. P. Bretz; J. H. Tanner; the Registrar.

Committee on Excuses from Physical Training and Military Science. The Secretary of the University Faculty, chairman; the Commandant; the Professor of Physical Culture; Professors W. N. Barnard and W. A. Riley; Miss Canfield.

Committee on Entrance Examination Board. Professor G. P. Bristol (1916), chairman; the Secretary of the University Faculty; H. W. Peters, Secretary (1916); J. P. Bretz (1917); G. C. Embury (1917); G. E. F. Lundell (1918); J. F. Mason (1918); V. Snyder (1919); B. S. Monroe (1919).

Committee on Official Publications. The President; the Secretary of the University Faculty; the Dean of the Graduate School; the Deans of the several College Faculties; the Secretary of the Medical College at Ithaca; the Registrar; the Secretary of the University.

University Committee on Hygiene and Sanitation. Professors A. T. Kerr; V. A. Moore; H. N. Ogden; C. V. P. Young; and Dr. S. A. Munford.

OTHER OFFICERS

Schurman, Jacob Gould, A.M., D.Sc., LL.D., President of the University, 1892.
Professor of Philosophy, 1886.

Williams, Emmons Levi, Comptroller of the University, 1914; Secretary of Board of Trustees, 1894. Assistant to the Treasurer, 1872; Acting Treasurer, 1879; Treasurer, 1885.

Bostwick, Charles Dibble, A.B., LL.B., Treasurer of the University, 1914.
General and Legal Assistant to the Treasurer, 1898; Assistant Treasurer, 1903.

Curtis, Charles Elbert, B.C.E., Superintendent of Buildings and Grounds, 1915.

Hayes, Rud Bryant, M.E. (E.E.), Superintendent of the University Heat, Light, and Power Service, 1903.

Hoy, David Fletcher, B.S., M.S., Registrar, 1895. Assistant to the Registrar, 1891.

Peters, Heber Wallace, A.B., Secretary of the University, 1914.

Martin, Gertrude Shorb, Ph.B., Ph.D., Adviser of Women, 1909.

Barbour, Elizabeth H., Matron of Sage College, 1909.

Nye, Gertrude Houston, Warden of Prudence Risley, 1913.

Tree, Thomas, Manager of Residential Halls, 1912. Assistant to the Treasurer, 1894.

Sutherland, Harriet, Superintendent of the Cornell Infirmary.

Munford, (Dr.) Samuel Archer, A.B., M.D., Medical Adviser for Men.

Fox, (Dr.) Harold H., M.D., Assistant Medical Adviser for Men.

Deyoe, (Dr.) Leon E., A.B., M.D., Assistant Medical Adviser for Men.

Matzke, (Dr.) Edith, M.D., Medical Adviser for Women, 1914.

Twisten, (Lieut.) Theodore Herman, Proctor of the University.

Cornell, Charles Ezra, Inspector.

Quarles, James T., University Organist, 1913.

NON RESIDENT LECTURERS, 1914-15

Charles Wellington Furlong: Brazil, with Glimpses of Uruguay; The Wild River Lands of the Guianas.

William Macomber: Patents and Law of Patents (four lectures).

Miss Dora Keen: The First Ascent of Mount Blackburn, Alaska.

James W. Persons: Federal Bankruptcy Act.

Rev. J. W. Butler: The Philosophy of the Mexican Revolution.

Rev. Ernest C. Smith: The Mount Rainier National Park.

Samuel W. McCall: Our Composite Nationality.

Kuno Francke: The Chivalric Minnesong and the Courtly Epic of the Thirteenth Century; Popular Song and Popular Satire from the Thirteenth to the Sixteenth Century; The Humanist Enlightenment, Erasmus; The Humanist Revolt, Ulrich von Hutten. Lectures on the Jacob H. Schiff Foundation, February 9-12.

M. Anesaki: Artistic Sense in the Home Life of the Japanese.

Harrington Putnam: The Law of Shipping and Admiralty.

Ignacio Calderon: General Outline of Bolivia's History from the Colonial Times up to Date.

William Howard Taft: The signs of the Time; The Anti-Trust Law; The Anti-Trust Law as Amended by the Clayton and Trade Commission Acts; The Presidency, Its Powers, Limitations, and Responsibilities. Four Lectures on the Goldwin Smith Foundation.

F. H. Newell: Economic Results of Water Storage and Irrigation in the West.

Ernest Harold Baynes: Our Wild Animal Neighbors.

Moritz J. Bonn: International Economic Relations (three lectures). Lectures on the Jacob H. Schiff Foundation.

Frances A. Kellor: Unemployment.

Edwin Willard Deming: Indian Ceremonials.

Eugen Kuhnemann: Der Deutsche Geist der Gegenwart im Verhältnis zu Franzosen und Norwegern; Der Deutsche Geist der Gegenwart im Verhältnis zu den Russen. Lectures on the Jacob H. Schiff Foundation.

- Roscoe Pound: Justice in the Modern State (ten lectures). Lectures on the Goldwin Smith Foundation.
 Anatole Le Braz: *La Jeunesse Authentique de Chateaubriand*.
 George H. Dauton: The Improvement of English Spelling.
 Charles H. Caffin: Modern American Art.
 Clarence Lathbury: Ourselves and the Universe.

**UNIVERSITY PREACHERS ON THE DEAN SAGE PREACHERSHIP
 ENDOWMENT, 1914-15**

- Rev. Cornelius Woelfkin, D.D., LL.D., Pastor of the Fifth Avenue Baptist Church, New York City.
 Rev. James G. J. McClure, D.D., LL.D., President of McCormick Theological Seminary, Chicago, Illinois.
 Rev. Karl Reiland, Rector of St. George's Episcopal Church, New York City.
 Rev. G. A. Johnston Ross, D.D., Union Theological Seminary, New York City.
 Rev. Harry Emerson Fosdick, Pastor of the First Baptist Church, Montclair, New Jersey.
 Rev. Francis G. Peabody, D.D., Harvard University, Cambridge, Massachusetts.
 Rev. Charles A. Eaton, D.D., Pastor of Madison Avenue Baptist Church, New York City.
 Rt. Rev. Charles D. Williams, D.D., LL.D., Bishop of Michigan, Detroit, Mich.
 Rabbi Stephen S. Wise, Ph.D., Free Synagogue, New York City.
 Rev. Harry P. Dewey, D.D., Plymouth Congregational Church, Minneapolis, Minnesota.
 Rev. W. L. Sullivan, All Souls' Church, (Unitarian), New York City.
 Rev. B. W. R. Taylor, Rector of St. George's Episcopal Church, Schenectady, New York.
 Rt. Rev. David H. Greer, D.D., LL.D., Bishop of New York, New York City.
 Rev. Philip S. Moxom, D.D., South Congregational Church, Springfield, Massachusetts.
 Rev. Henry E. Jackson, A.M., Congregational Church, Upper Montclair, New Jersey.
 Rev. Adolph Roeder, New Church, Orange, New Jersey.
 Rev. Charles Reynolds Brown, D.D., Dean of Yale Divinity School, New Haven, Connecticut.
 Rev. William Fraser McDowell, D.D., LL.D., Bishop of the Methodist Episcopal Church, Chicago, Illinois.
 Rev. William C. Bitting, D.D., Second Baptist Church, St. Louis, Missouri.
 F. Herbert Stead, M.A., Warden of the Robert Browning Settlement, London, England.
 Rev. Adelbert P. Higley, Pastor of the First Presbyterian Church, Troy, New York.
 Rev. John H. Willey, S.T.D., Pastor of Christ Church, Methodist Episcopal, Pittsburgh, Pennsylvania.
 Rev. Samuel A. Eliot, D.D., President of the American Unitarian Association, Boston, Massachusetts.
 Rev. Walter Rauschenbusch, D.D., Professor of Church History, Rochester Theological Seminary, Rochester, New York.
 Rev. John Douglas Adam, D.D., Hartford Theological Seminary, Hartford, Connecticut.
 Rev. Francis E. Clark, D.D., LL.D., President of the United Society of Christian Endeavor, Boston, Massachusetts.
 Rev. Anson Phelps Stokes, jr., D.D., Secretary of Yale University, New Haven, Connecticut.
 Rt. Rev. Ethelbert Talbot, D.D., LL.D., Bishop of Bethlehem, South Bethlehem, Pennsylvania.
 Rev. Carl S. Patton, First Congregational Church, Columbus, Ohio.
 Rev. Samuel M. Crothers, D.D., Pastor of the First Unitarian Church, Cambridge, Massachusetts.
 Rev. Francis Brown, D.D., LL.D., President of the Union Theological Seminary, New York City. Baccalaureate Sermon.

ADMISSION TO THE UNDERGRADUATE COLLEGES

For admission to the Graduate School see p. 47; for admission to the Medical College see p. 100.

Applications for admission to any one of the undergraduate colleges of the University are entertained from the following three classes of persons: (a) those who desire to begin as freshmen in some college of the University, a regular course of study leading to a degree conferred by that college; (b) those who, having already attended some institution of collegiate rank, desire to enter some college of the University; (c) those who desire to register as special students not candidates for a degree. The conditions of admission for these three classes of persons are separately described on pages 38 and 44.

The normal time for admission of students to the undergraduate colleges is at the beginning of the first term of the University year in September. For the admission of students at the beginning of the second term in February, see p. 41.

Every applicant for admission to any of the undergraduate curricula of the University must file at the Registrar's office either a certificate of good moral character, or, in case he has previously attended some other college or university without graduating from it, a certificate of honorable dismissal from that institution.

ADMISSION OF FRESHMEN

Men who desire to begin as freshmen a curriculum leading to a degree in one of the colleges of the University, must be at least sixteen years of age. Women must be at least seventeen years of age. In the College of Law the minimum age for both men and women is, for the curriculum of four years, seventeen years; for the curriculum of three years, eighteen years.

All the colleges of Cornell University conferring baccalaureate degrees presuppose, on the part of an applicant for admission, an amount of training equivalent to that gained by four years of successful work in a high school of good standing.

Scholastic Requirements

A student who applies for admission as a freshman to any college of Cornell University is required to offer fifteen units of entrance credit in subjects included in the following list of "Entrance Subjects." A "unit of entrance credit" is granted to a student who gives evidence that he has such knowledge of an entrance subject as should normally be acquired in five periods a week during one school year, or in 120 sixty minute periods.

A. Requirements common to all the colleges. Nine units. Of these fifteen units of entrance credit, nine units in the following subjects are required by each of the colleges: English, 3 units; history, 1 unit; mathematics, 2 units; one foreign language, 3 units.

B. Additional and, in some cases, specific requirements of the several colleges. Six units. In these six remaining units some of the colleges require that additional credits in some of the subjects in group A or credits in certain other subjects shall be included, while in other colleges, all of these remaining six units are elective, i. e. they may, with certain restrictions mentioned on p. 39, be selected by the candidate at will from the list of Entrance Subjects here printed.

ENTRANCE SUBJECTS

The subjects and the maximum and the minimum amount of credit in each that may be offered for admission to the University are:

1a. English No. 1	1½ units	8b. Modern History . . .	½ unit or 1 unit
1b. English No. 2	1½ units	8c. Am. Hist. Civics . . .	½ unit or 1 unit
2a. First Year Greek	1 unit	8d. English History . . .	½ unit or 1 unit
2b. Second Year Greek	1 unit	9a. Elementary Algebra . . .	1 unit
2c. Third Year Greek	1 unit	9b. Intermediate Algebra . . .	½ unit
3a. First Year Latin	1 unit	9c. Advanced Algebra . . .	½ unit
3b. Second Year Latin	1 unit	9d. Plane Geometry	1 unit
3c. Third Year Latin	1 unit	9e. Solid Geometry	½ unit
3d. Fourth Year Latin	1 unit	9f. Plane Trigonometry . . .	½ unit
4a. First Year German	1 unit	9g. Spherical Trigonometry . . .	½ unit
4b. Second Year German	1 unit	10. Physics	1 unit
4c. Third Year German	1 unit	11. Chemistry	1 unit
5a. First Year French	1 unit	12. Phys. Geography . . .	½ unit or 1 unit
5b. Second Year French	1 unit	13. Biology	1 unit
5c. Third Year French	1 unit	14. Botany	½ unit or 1 unit
6a. First Year Spanish	1 unit	15. Zoology	½ unit or 1 unit
6b. Second Year Spanish	1 unit	16. Agriculture	½ unit to 4 units
6c. Third Year Spanish	1 unit	17. Drawing	½ unit or 1 unit
7a. First Year Italian	1 unit	18. Manual Training	1 unit
7b. Second Year Italian	1 unit	19. {	Any High School subject or subjects not already used
7c. Third Year Italian	1 unit		
8a. Ancient History	½ unit or 1 unit		

In connection with the foreign language requirements, the following restrictions should be noted.

1. In those colleges where the requirement is three units, all of these units must be in a single language. Any number of elective units in a second language will be accepted. If the applicant offers at least two units in the second language any number of units in a third language will be accepted.

2. In the College of Arts and Sciences where the requirement of candidates for the degree A.B. is five units, at least three units must be in some one language and at least two units in a second language. Any number of elective units in a third language will be accepted.

If biology (1 unit) is offered, neither ½ unit in botany nor ½ unit in zoology will be accepted.

Agriculture will not be accepted for entrance to Arts and Sciences or to Law; a maximum of one entrance unit in agriculture is accepted by all the other colleges with the exception of the College of Agriculture which permits a maximum of four units, with the restriction, however, that the total of the entrance credit in vocational subjects under numbers 16, 18, and 19 shall not exceed four units.

In drawing and in manual training, three hundred actual hours are required for one unit of credit.

A candidate for admission who presents Number 19 in the list above as a part of the fifteen units required for entrance will not be allowed to take any examination for college credit at entrance, see page 43.

The following tabulation shows the subjects and credits required by the several colleges.

ENTRANCE REQUIREMENTS OF THE UNDERGRADUATE COLLEGES

ARTS AND SCIENCES A.B. 4 years	SCIENCES B. Chem. 4 years	LAW 4 years	LAW 3 years	AGRICUL- TURE 4 years	VETER- INARY 4 years	ARCHITECTURE		CIVIL AND MECH. ENGR.	
						4 years	4½ or 5 yr.	4 years	4½ or 5 yr.
English, 3	English, 3	English, 3	A diploma or certificate of graduation from a university or college or a certificate that the applicant has met the entrance requirements and satisfactorily completed one year of study in a university or college of approved standing is required for admission to the three year curriculum in Law.	English, 3	English, 3	English, 3	English, 3	English, 3	English, 3
Foreign Languages, 5	French, 3 or German, 3	One Foreign Language, 3		One Foreign Language, 3	One Foreign Language, 3	French, 3 or German, 3	French, 3 or German, 3	One Foreign Language, 3	One Foreign Language, 3
History, 1	History, 1	History, 1		History, 1	History, 1	History, 1 Physics, 1	History, 1	History, 1	History, 1
Plane Geometry, 1	Plane Geometry, 1	Plane Geometry, 1		Plane Geometry, 1	Plane Geometry, 1	Plane Geometry, 1	Plane Geometry, 1	Plane Geometry, 1	Plane Geometry, 1
Elementary Algebra, 1	Elementary Algebra, 1	Elementary Algebra, 1		Elementary Algebra, 1	Elementary Algebra, 1	Elementary Algebra, 1	Elementary Algebra, 1	Elementary Algebra, 1	Elementary Algebra, 1
	Intermed. Algebra, ½			[Solid Geom. and Pl. Trigonometry are not required but are strongly recommended for students intending to take Forestry or Landsc. Art.]	See Note	Intermed. Algebra, ½		Intermed. Algebra, ½	
	Solid Geometry, ½					Solid Geom., ½		Solid Geom., ½	
	Advanced Algebra, ½					Advanced Algebra, ½		Advanced Algebra, ½	
	Plane Trigonometry, ½					Plane Trigonometry, ½		Plane Trigonometry, ½	
Elective, 4	Elective, 4	Elective, 6		Elective, 6	Elective, 6	Elective, 3	Elective, 6	Elective, 4	Elective, 6
TOTAL, 15	TOTAL, 15	TOTAL, 15		TOTAL, 15	TOTAL, 15	TOTAL, 15	TOTAL, 15	TOTAL, 15	TOTAL, 15

Candidates for the degree of Bachelor of Chemistry are advised to include, among their entrance subjects, in addition to the full four units in mathematics, also three units of German and two units of French. Those who have not presented these subjects at admission will be required to take them in the University, which may result in the extension of their period of residence beyond eight terms. For the present, applicants will be admitted to the College of Arts and Sciences as candidates for the degree of Bachelor of Chemistry, upon satisfaction of the entrance requirements for the curriculum leading to the degree of Bachelor of Arts.

For admission to the New York State Veterinary College an applicant must offer a Veterinary Student Certificate issued by the Education Department of the State of New York, Albany, N. Y. This certificate satisfies the entrance requirements in full.

It is strongly recommended that for entrance to Architecture, Civil Engineering, and Mechanical Engineering, at least three of the four elective units be offered in language and history.

French or German is preferred for the three foreign language units required by the College of Civil Engineering, the College of Mechanical Engineering, the College of Agriculture, and the Veterinary College.

Admission at the Beginning of the Second Term

Applicants who have fully satisfied the entrance requirements of the College of Arts and Sciences may be admitted as freshmen in that college at the beginning of the second term in February, as well as at the beginning of the first term in September.

Applicants who have fully satisfied the entrance requirements of the College of Agriculture may be admitted as freshmen in that college at the beginning of the second term in February; they will, however, find it difficult to arrange satisfactory schedules of work and therefore should, if possible, enter in September.

Students who meet in full the requirements for admission, and freshmen in either the four year or the five year curriculum in the Colleges of Mechanical Engineering, Civil Engineering, and Architecture may enter these colleges at midyear to pursue courses which will be specially outlined to suit each individual case and which will lead to the degree of Mechanical Engineer, Civil Engineer, or Bachelor of Architecture at the end of four and a half years. Those who at this time meet the requirements for admission to the five year curriculum must enter the University classes in such of the mathematical courses required for admission to the four year curriculum as have not been credited to them.

Students may not enter the College of Law, in the three year course, at the beginning of the second term. Applicants for admission to the four year course may be admitted at the beginning of the second term of the first year; but such applicants will be required to attend the sessions of the Summer School during the two succeeding summers, in order to obtain credit for the amount of work in Arts and Sciences which is included in the four year law course.

Students who desire admission at the beginning of the second term must place their certificates and credentials in the hands of the Registrar not later than January 15th. For January entrance examinations, see below.

METHODS OF SATISFYING THE ENTRANCE REQUIREMENTS

Every applicant for admission must, by one of the four following methods, or by some combination of these methods, show that he possesses a satisfactory knowledge of the subjects that are required for admission to the particular college in which he plans to pursue his studies.

1. By passing the required Cornell University Entrance Examinations, see page 41.
2. By passing the College Entrance Examination Board Examinations in the required subjects, see page 42.
3. By passing the necessary Regents' Examinations (for students who have prepared in New York State), see page 42.
4. By presenting an acceptable school certificate, see page 42.

1. CORNELL UNIVERSITY ENTRANCE EXAMINATIONS

The Cornell University Entrance examinations assume in general that for each unit of entrance the student shall have such knowledge of the subject concerned as should normally be acquired in five periods a week during one school year, or in 120 sixty minute periods. The entrance examination in English (total of three units) assumes four years of preparatory study.

Examinations for admission to the University are held in Ithaca, and all examinations except in drawing and in manual training and certain subjects in Agriculture and Home Economics, are held in New York City, First Avenue and 28th Street, in September, at the beginning of the first term of the University year. A fee of \$1 for each subject, with a maximum charge of \$5 for all subjects, must be paid by all candidates who take these examinations in New York City; the fee must be repeated in the case of candidates who repeat the examinations. Permits to take the examinations must be secured from the Registrar in Ithaca. The University does not hold entrance examinations in the subjects included under number 19 of the list of entrance subjects, page 39.

No examination of candidates for admission will be held by the University at any other times or places, except at the end of first term at Ithaca. Permits

to take the mid-year entrance examinations at Ithaca may be issued up to January 15th in each year upon the payment of \$1 for each subject to be taken with a maximum of \$5 for five or more subjects. In the case of applicants later than January 15th the Registrar may issue permits wherever possible. In this case the fee charged shall be double that charged prior to January 15th. All fees for mid-year entrance examinations are to be refunded to the student on matriculation in the University.

A candidate may take all the entrance examinations in the same year, or he may divide them among two or three successive years.

For details concerning the subject matter of the University entrance examinations, the General Circular of Information should be consulted. Specimen copies of the September examination papers may be obtained by applying to the Secretary of the University.

2. COLLEGE ENTRANCE EXAMINATION BOARD EXAMINATIONS

The examinations held by the College Entrance Examination Board in June of each year are accepted as the full equivalents of the Cornell University Entrance Examinations in the corresponding subjects.

The next examinations of the College Entrance Examination Board will be held at Ithaca, and at various other places, June 19-24, 1916.

The examination fee at points in the United States and Canada is five dollars; at points outside of the United States and Canada, fifteen dollars, for each candidate examined.

Those who wish to procure forms of application for examination, should address The College Entrance Examination Board, Hamilton Hall, Post Office Sub-Station H, New York City.

3. ENTRANCE BY REGENTS' EXAMINATIONS

The Regents' examinations of the Education Department of the State of New York are accepted as the full equivalent of the Cornell University Entrance Examinations in the corresponding subjects.

The officially signed certificates or pass-cards (even for single subjects) issued by the Department of Education of the State of New York for passing Regents' examinations are accepted by Cornell University in all entrance subjects which are covered by such credentials.

The Arts College Entrance Diploma or the Science College Entrance Diploma satisfies in full the entrance requirements of the College of Arts and Sciences (for the degree A.B.), of the College of Law (the four year curriculum), and of the College of Agriculture; either likewise satisfies the requirements for admission to the 4½ and the 5-year curricula in Architecture, in Civil Engineering, and in Mechanical Engineering.

The Arts College Entrance Diploma or the Science College Entrance Diploma satisfies the requirements for admission to the four year curriculum in Mechanical Engineering and in Civil Engineering provided the four entrance units required in mathematics are satisfied.

The Arts College Entrance Diploma or the Science College Entrance Diploma satisfies in full the entrance to the four year curriculum in Architecture provided the four entrance units required in mathematics, one in physics, and at least two in either French or German are satisfied.

The Department of Education, Albany, N. Y., will upon request issue to any student a statement showing all subjects passed to date. Apply to the Registrar for a blank for this purpose.

4. ENTRANCE BY SCHOOL CERTIFICATE

Certificates of work done in public or in private schools, in or out of the State, may be accepted in lieu of passing entrance examinations, if the University authorities are satisfied with the standing of the school and if the applicant has completed a full regular course in the school and has been duly graduated after at least one year in the school,

The University does not engage in advance to accept the certificate of any school and the previous acceptance of certificates does not establish a permanent right to expect their further acceptance, but merely raises the presumption that similar certificates will be accepted.

Three separate steps must be taken before a student of any school will, on its certificate, be admitted to a college of Cornell University.

(a) The principal of the school must by formal application secure the certificate privilege for his school. (b) The principal of the school must submit a school certificate duly filled out for the individual candidate for admission. (c) The candidate himself must make application for admission to the particular college of Cornell University in which he intends to study. Official blanks for each of these purposes may be obtained from the Registrar of the University.

The school certificate should be forwarded by the principal as soon as possible after the graduation of the candidate. The application for the certificate privilege should, unless previously granted, accompany the school certificate. The candidate's application for admission to a particular college should be sent as early as possible after the candidate has decided in which college of Cornell University he desires to study. The application will be considered merely as a declaration of intention, and will impose no obligation upon the prospective student.

The school certificate should include all the subjects that the candidate has satisfactorily completed in the school, whether or not they are required by the particular college in which the candidate proposes to study; neglect to comply with this regulation may entail serious inconvenience and disappointment to the student. The school certificate may include subjects in which an examination has been passed for admission to the school. No additional or supplementary certificate will be considered after the first college term.

Certification for each unit of credit implies that the student has had five prepared recitations a week for one year of study in the subject. Two hours of laboratory work may be reckoned as equivalent to one hour of prepared recitation. If the candidate has not had five periods a week for one year in any subject but has had not less than 120 actual hours (7,200 minutes) of recitation in the subject, the school may if it desires recommend him for one unit of credit, but the school certificate must show the exact number of actual hours of recitation in the subject.

Notebooks in general need not be submitted and should not be sent unless they are in individual cases specifically requested by the Registrar.

Subjects in which work has been done privately outside of the regular school curriculum, even if under the direction of teachers in the school, should not be included in the certificate.

If in any entrance subject a student has failed to pass the Cornell or any other University Entrance Examination, or the College Board Entrance Examination, or the Regents' examinations, he will not thereafter be allowed to offer a school certificate in that subject unless, subsequently to his failure, he shall have pursued the subject regularly in class for the full time required and shall have done the full amount of work required for entrance in the subject.

Admission on school certificates is in all cases provisional. If, after admission to the University, a student fails in any subject dependent upon an entrance subject for which a school certificate has been accepted, credit for that entrance subject may be cancelled.

All communications and requests in connection with admission by school certificate should be addressed to the Registrar of the University. The University will welcome any special or personal information that school principals may care to furnish in connection with individual applicants for admission.

COLLEGE CREDIT AT ENTRANCE

For Surplus Entrance

Credit towards a degree for work done in a preparatory school, upon subjects which may be offered for entrance to the University, will be given only to those students who, in addition to satisfying all entrance requirements, pass separate examinations in the subjects for which they seek college credit. These examina-

tions will cover substantially the same ground as do the University courses in the corresponding subjects. An applicant who desires a college credit examination must apply to the Registrar not later than September 10 in any year, specifying which fifteen units he intends to offer in satisfaction of the entrance requirements, and upon what other entrance subjects he wishes to be examined for college credit.

In case he fails to satisfy the entrance requirements in any one or more of the subjects which he has offered for entrance, but passes the college credit examination in any other subject or subjects, he may use the latter for satisfying the entrance requirements, but in that case he cannot also receive college credit therefor. The college credit examinations will be held in September, on the date set for the entrance examinations in the same subjects.

A candidate using No. 19 in the list of Entrance Subjects (see page 39) to complete the required fifteen units may not apply for an examination for college credit.

ADMISSION OF SPECIAL STUDENTS

A person, ordinarily one of considerable maturity, may under certain circumstances, even without satisfying the entrance requirements, be admitted to one of the colleges of Cornell University as a special student not a candidate for a degree. The applicant must give evidence of ability to do creditable work in the college and his application for admission must be recommended by the department in which he proposes to do the main part of his work.

If a person admitted as a special student without satisfying the entrance requirements subsequently satisfies these requirements, he may be graduated under the ordinary regulations of the particular college in which he is studying. He will not be permitted, however, to make up deficiencies in entrance subjects by attending University instruction in those subjects.

Candidates for admission as special students must file their applications directly with the dean of the particular college in which they propose to study.

Special students in the College of Arts and Sciences must be at least twenty-three years of age; in the College of Law, in the College of Architecture, and in Sibley College, twenty-one years of age.

The College of Civil Engineering admits as special students persons at least twenty-one years of age who are college graduates and who intend to pursue advanced work without being candidates for a degree. The Sibley College of Mechanical Engineering requires that its special students shall have had engineering experience and the equivalent of the mathematics specified for the admission of regular students.

Special students in the College of Agriculture must have had two full years of recent farm experience and, unless they can satisfy all the entrance requirements for the regular course, must be at least twenty-one years of age.

ADMISSION FROM OTHER COLLEGES

A student who, having already attended a college or a university, desires to be admitted as a candidate for a degree to a college of Cornell University, should file with the Registrar of Cornell University, on an official blank to be obtained from him, a formal application for admission to the college of the University, along with an official certificate from the college or university which he has already attended, giving evidence of (1) his honorable dismissal, (2) his entrance examinations in detail, (3) his terms of attendance and the amount of work that he has completed, and (4) a detailed statement of the courses pursued. He should send also a catalogue of the institution, writing on it his name and marking the entrance requirements which he has satisfied and each subject which he has completed. All applicants for admission from other colleges should consult the special announcement of the college of Cornell University in which they propose to study.

PAYMENTS TO THE UNIVERSITY

Annual Tuition Fees

	Regular Students	Special Students
Graduate School	See below	
Medical College	\$150	\$150
College of Arts and Sciences	125	150
College of Law	125	150
Veterinary College	For free tuition see below	125
College of Agriculture		125
Third Term in Agriculture		62.50
College of Architecture	150	150
College of Civil Engineering	150	150
Sibley College	150	150
Summer Session, 1915	\$30	
Summer School in Agriculture	30	
Winter Courses in Agriculture	25	

All tuition and other fees may be changed or increased by the Trustees to take effect at any time without previous notice.

Students upon registering become liable for the tuition fee for the term.

Any student failing to settle his account with the Treasurer shall be dropped from the University.

The \$100 tuition fee is payable in installments of \$55 at the beginning of the first term and \$45 at the beginning of the second term; the \$125 fee is payable similarly in installments of \$70 and \$55; the \$150 fee in installments of \$85 and \$65; in the Medical College in New York City, the entire fee is payable at the beginning of the year.

The tuition fee for any term may be refunded to any student who, for reasons satisfactory to the Treasurer and the Registrar, withdraws within twenty days after the first registration day.

A student who, for reasons satisfactory to the Treasurer and the Registrar, withdraws from the University, on or before November 15 or April 1, may have refunded one-half of the tuition fee for the term.

Students registering after December 1 or after April 1 pay for the remainder of the then current term two-thirds of the tuition fee for that term.

Graduate School. The tuition of graduate students candidates for a degree is in general that of the college in which the major subject lies, with the exception that a graduate student whose major subject is in the College of Agriculture, where tuition is free for all graduate work, must if he takes a minor subject in another college pay therefor one-sixth of the tuition prevailing in that college. For each minor subject taken in the College of Agriculture by a student whose major subject is in another college, one-sixth of the tuition will be deducted.

The tuition of students not candidates for a degree is determined on the basis of the tuition rates prevailing in the colleges in which their subjects lie.

Instructors and Assistants registered in the Graduate School are exempt from payment of tuition for work approved by their Special Committee provided the major subject is in the line of work in which they are instructing.

No student will receive the master's degree who has not paid tuition for at least one full year, and no one will receive the doctor's degree who has not paid full tuition for at least three years, unless one or more of these years have been spent in graduate study at another University.

Free Tuition. Tuition is free to students who hold New York State Tuition Scholarships.

Tuition is free to New York State students in the Veterinary College; to New York State undergraduate students in the College of Agriculture; to graduate students for work in the College of Agriculture. No student who has received free tuition under these regulations will be allowed to transfer to a college of the University where tuition is charged without first paying tuition fees for the full time spent in the college where he was previously registered.

Instructors and Assistants having a degree are exempt from tuition for work leading to the first degree of the college in which they are instructing.

Tuition in the Summer School in Agriculture and in the Winter Courses in Agriculture is free to students who are residents of the State of New York.

Beginning with September 1915, tuition will be free to all holders of University fellowships and graduate scholarships in the Graduate School.

Other Fees

A matriculation fee of \$5 must be paid by all students on entering the University.

Every student (except those registered in the Medical College in New York City) must, at the beginning of each term, pay an Infirmary fee of \$3. Students in the Winter Courses in Agriculture are required to pay the Infirmary fee for one term. In return for the Infirmary fee, any student who is ill will, on his physician's certificate, be admitted to the Infirmary, and without further charge will have a bed in a ward and will receive board and ordinary nursing, for a period not exceeding two weeks in any one academic year.

Extra charges are made for private rooms, special food, and special nurses.

If an ill student who has not received two weeks' service during the year may not be admitted to the Infirmary by reason of lack of accommodation or is not cared for elsewhere by the University, the fee for both terms will be refunded.

Students in the University Summer Session and in the Summer School in Agriculture have all the privileges of admission to the Infirmary. They pay no fee in advance, but are liable for regular charges for the services rendered.

Each student in the Department of Physical Culture is required to pay a fee of \$2 a term.

Students registered in Sibley College or in the College of Civil Engineering are charged \$12.50 a term for materials used in shops and laboratories; students not registered in Sibley College but taking work in the Sibley shops are charged at the rate of \$3.50 per record hour.

A student who has taken while in a non-engineering college of this University part of the work required for an engineering degree shall, before receiving the technical degree, be required to pay to the University Treasurer such amount as would have been necessary if all such work had been taken while registered in the engineering college.

Each student registered in the College of Architecture must pay a fee of \$5.00 a term. Students taking work in the College of Architecture and not registered in that College shall pay for any course in design or drawing from life \$5.00 per term, for any other course in drawing or modelling \$2.50 per term.

A graduation fee of \$10 is required of each person taking an undergraduate degree, and one of \$20 of each person taking an advanced degree. The graduation fee must be paid at least ten days prior to the date on which the degree is to be conferred.

Every person taking laboratory work or laboratory courses must pay the fee required or must make the required deposit for materials to be used.

Members of the instructing staff who are registered as graduate students shall be exempt from the payment of the laboratory, shop, and agricultural fees in courses taken or in research pursued in the Department in which they are employed to give instruction.

THE GRADUATE SCHOOL

The purpose of the Graduate School, which has exclusive control of all graduate work carried on in the University, is to provide the student with the method and discipline of original research, to the ultimate end that he may contribute to the advancement of knowledge. In furnishing this opportunity for independent study and investigation, the Graduate School seeks to make the conditions such as will enable the student to devote himself wholly to his chosen field. Unhampered by the restrictions that necessarily obtain in undergraduate work, he will come into freedom of association with older scholars, who will seek to make his work profitable to him by giving such aid and direction as he may need.

All courses of study offered in the University, and all the facilities for study and investigation afforded by its libraries and laboratories, are open to students in the Graduate School, subject only to the condition of their being qualified by previous study or experience to undertake the particular work desired.

The Faculty of the Graduate School is composed of those professors, assistant professors, and instructors who are, as members of special committees, engaged in supervising the work of graduate students.

ADMISSION

Graduates of the following colleges of Cornell University, namely, the College of Arts and Sciences, the Medical College, the College of Architecture, the College of Civil Engineering, the Sibley College of Mechanical Engineering, and the College of Agriculture, and graduates of other institutions in which the requirements for the first degree are substantially equivalent, are eligible for admission to the Graduate School. In other cases, studies pursued after graduation and experience gained by professional work or otherwise are taken into consideration in deciding whether the candidate's preparation as a whole is such as to justify his admission to the Graduate School. Graduates of colleges other than those of Cornell University may be admitted to the Graduate School, but not to candidacy for an advanced degree, in case their training is accepted as less than one year short of that required for the first degree at Cornell University.

Seniors in the colleges of Cornell University who have completed the work required for the Bachelor's degree may, under certain conditions to be ascertained from the deans of their respective colleges, be admitted to the Graduate School.

CANDIDACY FOR AN ADVANCED DEGREE

A student is admitted as a candidate for an advanced degree when he has satisfied the Faculty, and especially the professors with whom he intends to work, that both his general preparation and his preliminary work in his specialty are satisfactory in kind and sufficient in amount. For a student who has been admitted to candidacy for an advanced degree, the minimum time of residence for the Master's degree is one year, and for the Doctor's degree three years, provided that the work accomplished during that time is satisfactory.

Not all students admitted to the Graduate School may expect to obtain a degree at the end of the minimum period of residence. A student whose undergraduate work has been insufficient in amount or too narrowly specialized, or whose preparation in his special field is inadequate, must count upon spending some time, in addition to the minimum residence requirement, in work of a less advanced character. The minimum residence requirement, applies only to graduates of a four year curriculum in some college of Cornell University, and to graduates of other institutions who have pursued an equivalent course of study.

The branch of knowledge to which the student intends to devote the larger part of his time is termed his major subject. The other fields of study selected,

which will be necessarily more restricted in their scope and which should in general be selected with reference to their direct bearing upon the major subject, are termed the minor subjects. Candidates for the Doctor's degree are required to select a major subject and two minor subjects; for the Master's degree, a major subject and one minor subject are required.

The work of each candidate for an advanced degree is in charge of a committee consisting of two or more professors under whom his major and minor subjects are pursued, the professor of his major subject being chairman.

Examinations for an advanced degree may be either oral or written, or both, at the option of the examining committee, and are open to all members of the Faculty.

THE DEGREE OF DOCTOR OF PHILOSOPHY

The degree of Doctor of Philosophy is granted to a student who, after completing not less than three years of resident graduate work, presents a satisfactory thesis, and passes an examination on his major and minor subjects and on the subject matter of his thesis. Each candidate for the Doctor's degree must deposit one hundred printed copies of his thesis with the Dean for the use of the University Library.

The Doctor's degree is intended to represent not a specified amount of work covering a specified time, but long study and high attainment in a special field, proved in the first place by the presentation of a thesis which displays the power of independent investigation, and in the second place by passing corresponding examinations upon the ground covered by the major and minor subjects chosen at the beginning of the candidacy. The standard for the Doctor's degree is determined by the attainment to be expected of an excellent student who begins his work with adequate preparation, and devotes his whole time for three years to his major and minor subjects and to his thesis.

Candidates for the Doctor's degree will ordinarily be expected to have a working knowledge of French and German before beginning graduate work; and in all cases they must, before beginning their second year of residence, show to the satisfaction of their special committees that they possess a reading knowledge of these languages. If the subjects chosen by the candidate are of such character as to make it desirable that he should be familiar with some foreign language other than French and German, the special committee may, with the consent of the Dean, permit the substitution of that language for one of the two required.

The thesis for the Doctor's degree must be of such character as shall demonstrate the candidate's ability to do original work, and in respect of style and composition must be approved by the General Committee of the Graduate School or by some member of the Faculty who has been designated by the General Committee.

THE MASTER'S DEGREE

Cornell University confers the degrees of Master of Arts, Master of Architecture, Master of Civil Engineering, Master of Mechanical Engineering, Master in Forestry, Master in Landscape Design, and Master of Science in Agriculture.

After admission to candidacy for the degree, the student must spend at least one year in residence at this University and must pursue under the direction of his special committee, a course of advanced study including one major and one minor subject.

Each candidate must present a thesis, or essay, as the chairman of his special committee may decide, which shall demonstrate his ability to do independent work, and which shall be acceptable in style and composition. He must then pass an examination on his major and his minor subject and on the subject matter of his thesis.

GRADUATE WORK IN THE SUMMER

Graduate work may be pursued during the summer by: (a) a student who is registered in the Graduate School and also in the University Summer Session (including the summer school in agriculture); (b) a student who is registered in the Graduate School and also in the third term of the College of Agriculture; (c) a

student who is registered only in the Graduate School and is working under the direction of a member of his special committee.

Work done in the Summer Session of Cornell University, under the direction of a member of the Faculty of the Graduate School, may be counted for residence toward the Master's degree. Two Summer Sessions are considered as one term of residence, four Summer Sessions as two terms.

The third term in the College of Agriculture is accepted for purposes of graduate residence as the equivalent of one of the regular terms of the year; but no candidate for the Doctor's degree will be allowed to receive credit for more than two terms of residence during any period of twelve months.

Members of the Faculty of the Graduate School wishing to direct during the summer months the studies of graduate students who are registered neither in the summer session nor in the third term in Agriculture may obtain authorization for such work by making application to the General Committee not later than May 1st of each year. Students who have already completed at least a full year of graduate work as candidates for an advanced degree, either in this University or in some institution whose graduate work is acceptable, may receive residence credit for work thus authorized. But no candidate for the Doctor's degree will receive credit for more than two terms of residence during any twelve consecutive months.

FELLOWSHIPS AND GRADUATE SCHOLARSHIPS

The following twenty-five fellowships are annually offered in the Graduate School:

1. The Cornell Fellowship in English.
2. The McGraw Fellowship in Civil Engineering.
3. The Sage Fellowship in Chemistry.
4. The Schuyler Fellowship in Physiology; Vertebrate Zoology, including Anatomy and Histology and Embryology; or Invertebrate Zoology and Entomology.
5. The Sibley Fellowship in Mechanical and Electrical Engineering.
6. The Goldwin Smith Fellowship in Botany; Geology; or Physical Geography.
7. The President White Fellowship in Physics.
8. The Erastus Brooks Fellowship in Mathematics.
9. The University Fellowship in Architecture.
10. The University Fellowship in Romance Languages.
11. The University Fellowship in German.
12. The University Fellowship in Agriculture or in Veterinary Science.
13. The University Fellowship in Mechanical and Electrical Engineering.
14. The President White Fellowship in Modern History.
15. The President White Fellowship in Political and Social Science.
- 16-17. The Susan Linn Sage Fellowships in Philosophy.
18. The Susan Linn Sage Fellowship in Psychology.
- 19-20. The Fellowships in Political Economy.
- 21-22. The Fellowships in Greek and Latin.
23. The Fellowship in American History.
24. The Jacob H. Schiff Fellowship in German.
25. The Edgar J. Meyer Memorial Fellowship in Engineering Research.

The President White Fellowships in Modern History and in Political and Social Science have an annual value of \$500 each; the others have an annual value of \$400 each. All Fellows are also exempt from tuition.

The following seventeen graduate scholarships are annually offered in the Graduate School:

- 1-5. The Susan Linn Sage Graduate Scholarships in Philosophy.
6. The Susan Linn Sage Graduate Scholarship in Psychology.
7. The Graduate Scholarship in Mathematics.
8. The Graduate Scholarship in Chemistry.
9. The Graduate Scholarship in Physics.
10. The Graduate Scholarship in Civil Engineering.

11. The Graduate Scholarship in Latin and Greek.
12. The Graduate Scholarship in Archæology and Comparative Philology.
13. The Graduate Scholarship in Physiology; Vertebrate Zoology, including Anatomy and Histology and Embryology; or Invertebrate Zoology and Entomology.
14. The Graduate Scholarship in Botany; Geology; or Physical Geography.
15. The Graduate Scholarship in English.
16. The Graduate Scholarship in History.
17. The Graduate Scholarship in Architecture.

The graduate scholarships, with the exception of the scholarship in Architecture, have an annual value of \$200 each. Holders of graduate scholarships are also exempt from tuition. The graduate scholarship in Architecture grants only free tuition.

Tuition is free to holders of fellowships and scholarships; the President White Fellowships will have an annual value of \$500 each; all other fellowships will have an annual value of \$400 each; all graduate scholarships will have an annual value of \$200 each.

Official forms for submitting applications for fellowships and graduate scholarships may be obtained from the Dean of the Graduate School. All applications must be submitted to him on or before March 15 of the academic year preceding the one for which application is made. Before this application is filed, the applicant should have convinced himself by correspondence with the Dean that he is eligible for admission to the Graduate School of this University in full standing, since appointments are made only to those who are eligible for admission to candidacy for an advanced degree.

The term of each fellowship and graduate scholarship is one year; but the term may under exceptional circumstances be extended to two years.

Each holder of a fellowship or graduate scholarship may be called upon to render service to the University in the work of instruction or examination to the extent of four hours a week through the academic year.

All persons elected to fellowships and graduate scholarships are required, upon accepting their appointments, to file a bond that, in case of their resignation before the expiration of the time for which they were appointed, they will repay to the University any sums that they may have received.

The President White Fellowships in History and Political Science, may in the discretion of the Faculty of the Graduate School, be made travelling fellowships. In the case of a student of very exceptional ability and promise in the fields of either of these fellowships, the two fellowships may, in the discretion of the Faculty, be combined for a single year into one.

The Jacob H. Schiff Fellowship in German may also, in the discretion of the Faculty of the Graduate School, be made a travelling fellowship.

Honorary Fellowships

Persons upon whom the Doctor's degree has already been conferred may, in the discretion of the Faculty of the Graduate School, be appointed to honorary fellowships. These fellowships cover all fees except laboratory charges. Actual residence at the University and regular registration in the Graduate School are required of all appointees.

GRADUATE PRIZE IN PHILOSOPHY

A Graduate Prize in Philosophy of the annual value of about \$25, is open for competition to all students registered in the Graduate School. The prize will be awarded to the graduate student who submits the best paper embodying the results of research in the field of philosophy.

For tuition and fees in the Graduate School see page 45.

GRADUATE STUDENTS, 1915-1916

†Not a candidate for a degree. ††Seniors who had completed the requirements for the baccalaureate degree (except in some cases the residence requirement) but were admitted to the Graduate School before the degree was actually conferred.

Abell, Max Flavel, B.S. 1914, Farm Crops, Botany, Farm Management (Montgomery, Wiegand, Warren)	Phoenix Ph.D.
Adamson, William Augustus, A.B. (Mercer) 1907, Organic Chemistry, Analytical Chemistry, Agricultural Chemistry, (Orndorff, Lundell, Cavanaugh)	Ithaca Ph.D.
Ainsworth, Oliver Morley, B.S. 1915, English Literature, Old English (Cooper, Monroe)	Campbell A.M.
Alexander, Charles Paul, B.S. 1913, Limnology, Systematic Entomology, Morphology (Needham, Bradley, Riley)	Gloversville Ph.D.
††Allen, Albert Gillis, B.S. 1916, Pomology, Landscape Art (Chandler, Curtis)	Salisbury, Md. M.S. in Agr.
Allen, Charles Ethan, A.B. (Wabash) 1914, Histology and Embryology, Physiology, Vertebrate Zoology (Kingsbury, Simpson, Reed)	Orleans, Ind. Ph.D.
Allen, Margaret M., A.B. 1906, German Literature, German Philology (Davidsen, Boesche)	Interlaken A.M.
Anderson, Ernest Gustaf, B.Sc. A. (Nebraska) 1915, Plant Breeding, Plant Histology, Organic Chemistry (Emerson, Eames, Orndorff)	Concord, Neb. Ph.D.
Anderson, Elam Jonathan, A.B. (Drake) 1912; A.M. (Cornell) 1915, Education, Public Speaking, Psychology (Coursault, Fraser, Winans, Weld)	Pine Bluff, Wyo. Ph.D.
Andrae, William Cook, M.E. 1915, Water Hammers, Hydraulics (Sawdon, Daugherty)	Baltimore, Ohio M.M.E.
Armstrong, Ellen Baxter, A.B. 1915, Philosophy, English Literature (Hammond, Cooper)	Franklin, Tenn. A.M.
Artschwager, Ernst F., B.S. (Colorado Agr.) 1915, Plant Pathology, Plant Physiology, Plant Histology (Whetzel, Knudson, Eames)	Austin, Col. Ph.D.
Baender, Fred G., B.E. (Iowa) 1908, Research Mechanical Engineering, Power Plant Operation (Carpenter, Barnard, Sawdon)	Drexel, Mo. M.M.E.
Baerg, William J., A.B. (Kansas) 1915, Entomology, Economic Entomology, Plant Pathology (Needham, Herrick, Fitzpatrick)	Lawrence, Kan. Ph.D.
Bailey, Austin, A.B. (Kansas) 1915, Experimental Physics, Theoretical Physics, Chemistry (Merritt, Blaker, Dennis)	Lawrence, Kan. Ph.D.
Baker, Gertrude Q., B.A. (Western) 1914, Logic and Metaphysics, Ethics (Albee, Thilly, Hammond, Creighton)	Middletown, O. A.M.
Baldwin, Dane Lewis, A.B. 1909; M.A. (Yale) 1910, Literary Criticism, Middle English, Philosophy (Cooper, Strunk, Creighton)	Groton Ph.D.
Banner, Erford Lynn, B.S. 1915, Poultry Husbandry (Incubation), Embryology (Rice, Kingsbury)	Bainbridge M.S. in Agr.
†Banner, (Mrs.) Pearle Decker, B.S. 1915, [Adviser: Van Rensselaer.]	Ithaca
Bareham, Lucian Clark, B.S. 1915, Landscape Design, Water Coloring (Davis, Midjo)	Palmyra M.L.D.
Bauder, Harry De Voe, B.S. 1914, Dairy Industry, Animal Husbandry (Troy, Wing)	Ithaca M.S. in Agr.
Beaumont, Arthur Bishop, B.S. (Kentucky) 1908, Soil Technology, Physical Chemistry, Hydraulics (Bizzell, Briggs, Schoder)	Monmouth, Ore. Ph.D.
Bechtel, Albert Reiff, B.S. (Penn.) 1912; A.M. (same) 1913, Taxonomic and Ecological Botany, Plant Pathology, Plant Breeding (Wiegand, Fitzpatrick, Gilbert)	Royersford, Pa. Ph.D.
††Bell, Enid Rose, B.S. (Ohio) 1916, [Adviser: White.]	Athens, O.
†Bell, Ralph, D.V.M., 1909, [Adviser: Moore.]	Depew
Bennett, Charles B., M.E. 1915, Electrical Engineering, Internal Combustion Engines (Karapetoff, Sawdon)	Aneta, N. D. M.M.E.
Bennett, Harold Selden, A.B. 1913, Inorganic Chemistry, Physical Chemistry, Analytical Chemistry (Browne, Briggs, Lundell)	Ithaca Ph.D.
Benson, John Phinneas, B.S. (Utah Agr.) 1915, Plant Physiology, Plant Pathology, Organic Chemistry (Knudson, Whetzel, Orndorff)	Logan, Utah Ph.D.
†Bentley, Elwyn Brockway, A.B. 1891, [Adviser: Creighton]	Ithaca
Berry, Charles Harold, M.E. 1912, Experimental Engineering, Thermodynamics, Heat Power Engineering (Carpenter, Trevor, Barnard)	Ithaca Ph.D.
Besemer, Arthur Merle, B.S. 1913, Dairy Bacteriology, Pathogenic Bacteriology, Agricultural Chemistry (Stocking, Fitch, Cross)	Ithaca Ph.D.
Birch, Raymond Russell, B.S. (Kansas State Agr.) 1906; D.V.M. (Cornell) 1912, Hog Cholera, Clinical Diagnosis, Urine Analysis (Moore, Udall, Fish)	Ithaca Ph.D.
Bishop, Homer Guy, B.S. (Ohio) 1911; M.S. (same) 1912, Experimental Psychology, Physiology, Educational Psychology (Titchener, Simpson, Fraser)	Derby, O. Ph.D.

- Bishop, Sherman C., B.S. 1915, Clyde
Limnology, Systematic Entomology, Systematic Zoology (Needham, Crosby, Wright) Ph.D.
Blizzard, Alpheus W., B.S. Ed. (Ohio) 1913, Baltimore, O.
Botany, Histology and Embryology (Atkinson, Kingsbury) A.M.
Böck, Joseph Carl, Ing. Chem. (Vienna Poly. Inst.) 1909, Brooklyn
Biological Chemistry, Physiology, Bacteriology (Benedict, Lusk, Elser) Ph.D.
Bodansky, Aaron, B.S. 1915, New York City
Dairy Bacteriology, Agricultural Chemistry, Pathogenic Bacteriology (Stocking, Cavanaugh, Moore) Ph.D.
††Bohall, Mabel Catherine, A.B. 1916, Lowville
German, Education (Davidsen, Coursault) A.M.
Boshnakian, Sarkis, B.S. in Agr. (Wisconsin) 1914; A.M. (Cornell) 1914, Madison, Wis.
Plant Breeding, Plant Physiology, Floriculture (Love, Knudson, White) Ph.D.
Boulter, Lewis Henry, A.B. 1913; A.M. 1914, Auburn
Elizabethan Drama, Restoration Drama, Philosophy of Art (Sampson, Prescott, Hammond) Ph.D.
Bowen, Ray Preston, A.B. (Harvard); A.M. (Cornell) 1915, Wellsboro, Pa.
French, Spanish, Italian (Mason, Keniston, Hamilton) Ph.D.
Bown, Ralph, M.E. 1913; M.M.E. 1915, Fairport
Electrolysis, Electrical Engineering, Mathematics (Bedell, Karapetoff, Sharpe) Ph.D.
Bradley, Jesse Franklin, A.B. 1911, Saugatuck, Conn.
Elizabethan, English Language, Philosophy (Adams, Monroe, Creighton) Ph.D.
Brannon, James Marshall, B.A. (N. Dakota) 1907; A.M. (same) Ithaca
Plant Physiology, Botany, Limnology (Knudson, Sharp, Needham) Ph.D.
Braun, Harry, B.S. 1915, New York City
Plant Pathology (Reddick) Ph.D.
Bray, Mark Wilder, A.B. (Lawrence) 1912; M.S. (Minnesota) 1914, Appleton, Wis.
Organic Chemistry, Physical Chemistry, Sanitary Chemistry (Orndorff, Bancroft, Chamot) Ph.D.
Bregger, Thomas, B.S. (Illinois) 1910, Rock Island, Ill.
Plant Breeding, Plant Physiology, Organic Chemistry (Emerson, Knudson, Orndorff) Ph.D.
†Brewer, Sarah Lucile B.S. (Montana State Agr.) 1909, Gordon, Neb.
[Adviser: Rose]
†Brewster, Charles Stockton, B.S.A. (Oregon Agr.) 1913, Corvallis, Ore.
[Adviser: Rice]
Breeze, Elizabeth Lenita, A.B. (Vassar) 1911, Saratoga Springs
Histology and Embryology, Bacteriology, Physiology (Gudernatch, Elser, Lusk) Ph.D.
Bridgman, J. Allington, B.Chem. 1914, Ithaca
Inorganic Chemistry, Physical Chemistry, Sanitary Chemistry (Dennis, Briggs, Chamot) Ph.D.
†Brinkley, Hugh Montgomery, B.S. in Agr. (Tennessee) 1915, Memphis, Tenn.
[Adviser: Thompson]
Bromley, John Hallock, B.S. 1915, Ithaca
Soil Technology, Physical Geography, Farm Management (Bizzell, von Engeln, Warren) Ph.D.
†Brooks, Homer John, B.S. 1915, Rushford
[Adviser: Troy]
Brown, Richard E., E.E. (Lehigh) 1910, Ithaca
Illumination, Electrical Engineering (Richtmyer, Gray) M.M.E.
Brown, Thomas Benjamin, A.B. 1912, Cohocton
Experimental Physics, Theoretical Physics, Electrical Engineering (Merritt, Blaker, Karapetoff) Ph.D.
du Buisson, Johannes Pertus, A.B. (Illinois) 1913; M.S.A. (same) 1914, Senecal, S. Africa
Soil Technology, Plant Physiology, Physical Chemistry (Lyon, Knudson, Briggs) Ph.D.
Bundy, Murray Wright, A.B. 1912; A.M. 1913, Ithaca
Literary Criticism, Elizabethan Literature, Philosophy (Cooper, Adams, Creighton) Ph.D.
Burke, Carl Martin, A.B. (Bethany) 1912; A.M. (Kansas) 1913, MacPherson, Kan.
Economics and Finance, Economics and Distribution, Economics and Statistics (Young, Johnson, Willcox) Ph.D.
Burkholder, Walter H., A.B. (Wabash) 1913, Crawfordsville, Ind.
Plant Pathology, Plant Breeding, Plant Physiology (Reddick, Gilbert, Knudson) Ph.D.
Burrows, George Allen, A.B. (Hobart) 1913, N. Tonawanda
Forest Protection, Forest Utilization (Spring, Recknagel) M.F.
Bussell, Frank Pores, A.B. (Colgate) 1901, Ithaca
Plant Breeding, Plant Physiology, Soil Technology (Love, Knudson, Bizzell) Ph.D.
Camp, Chester Claremont, B.A. (Grinnell) 1914; A.M. (Cornell) 1915, Corning, Ia.
Mathematical Analysis, Applied Mathematics, Theoretical Physics (Hurwitz, Sharpe, Merritt) Ph.D.
Campbell, Robert E., A.B. (Wisconsin) 1906, Ithaca
Public Finance, Economics, Statistics (Adams, Young, Willcox) Ph.D.
†Candee, Robert Chapin, A.B. 1915, Ithaca
[Adviser: Lauman]
Carrick, Carey Walton, A.B. (Wake Forest) 1915, High Point, N. C.
Poultry Husbandry, Floriculture (Rice, White) M.S. in Agr.
Carrick, Doak Bain, A.B. (Wake Forest) 1910, High Point, N. C.
Pomology, Plant Breeding, Floriculture (Chandler, Gilbert, White) Ph.D.
Carrick, Mary Stephens, A.B. (Meredith) 1907, High Point, N. C.
Foods and Nutrition, Organic Chemistry (Rose, Bancroft, Orndorff) M.S. in Agr.
Carroll, Charles Hardy, B.A. (Brigham Young Univ.) 1912, Ithaca
Physiology, Anatomy, Biochemistry (Dresbach, Kerr, Sumner) Ph.D.
††Carroll, Cora Crucis, A.B. 1916, Ithaca
French, Spanish (Mason, Keniston) A.M.

- Caswell, Sarah Palmer, A.B. (Wellesley) 1912, Norton, Mass.
Inorganic Chemistry, Physics, Organic Chemistry (Dennis, Merritt, Orndorff) Ph.D.
- Chandler, Wallace Larkin, B.S. (California) 1914; M.S. (same) 1915, Ithaca
Entomology (Parisitology), Sanitary Engineering, Sanitary Chemistry (Riley, Ogden, Chamot) Ph.D.
- Chapman, Royal Norton, B.A. (Minnesota) 1914; M.A. (same) 1915, St. Paul, Minn.
Entomology, Zoology (Needham, Riley, Reed) Ph.D.
- Charles, Thomas Burr, B.S. 1915, Ithaca
Poultry Husbandry, Farm Management (Rice, Livermore) M.S. in Agr.
- Chen, Phoo Hwa, B.C.E. (Michigan) 1914; M.C.E. (Cornell) 1915, Fukien, China
Bridge Engineering, Railroad Engineering, Hydraulic Engineering (Jacoby, Barnes, Church) Ph.D.
- Chipman, Ruth Ellen, A.B. 1910, Ithaca
Sanitary Chemistry, Organic Chemistry (Chamot, Orndorff) A.M.
- Chupp, Charles, A.B. (Wabash) 1913, Edinburg, Ind.
Plant Pathology, Plant Physiology, Plant Breeding (Whetzel, Gilbert, Knudson) Ph.D.
- Claassen, Peter Walter, A.B. (Kansas) 1913; A.M. (same) 1915, Lawrence, Kan.
Biology, Morphology of Insects, Economic Entomology (Needham, Riley, Herrick) Ph.D.
- Clark, Charles Parsons, B.S. 1915, Skaneateles
Farm Management, Farm Crops (Warren, Montgomery) M.S. in Agr.
- Clark, Harold Howard, M.E. 1915, Buffalo
Experimental Engineering, Study of Fans (Carpenter, Sawdon) M.M.E.
- ††Cobb, Robert Harris, A.B. 1916, Tyler, Texas
Philosophy, Psychology (Creighton, Weld) A.M.
- Cocks, Stephen Arnold, A.B. 1915, Port Washington
Latin, English (Bennett, Monroe) A.M.
- Cole, Howard Irving, B.Chem. 1914, New Rochelle
Sanitary Chemistry, Inorganic Chemistry, Physical Chemistry (Chamot, Dennis, Bancroft) Ph.D.
- Conklin, Henry Ernest, A.B. 1915, Roslyn
English, Old English (Cooper, Monroe) A.M.
- Conlin, Henry Joseph, A.B. 1913; B.Chem. (same) 1914, Glens Falls
Agricultural Chemistry, Sanitary Chemistry, Bacteriology (Cavanaugh, Chamot, Lundell) Ph.D.
- Cook, Sidney A., A.B. (Yale) 1915, New Haven, Conn.
Psychology, Educational Psychology, Philosophy (Titchener, Fraser, Creighton) Ph.D.
- Cooney, Margaret Sheerin (Mrs.), A.B. 1915, Ithaca
English Literature, Old English (Cooper, Monroe) A.M.
- Corrington, Julian Dana, A.B. 1913, Hot Springs, Ark.
Zoology, Entomology, Histology and Embryology (Reed, Riley, Kingsbury) Ph.D.
- Corwin, Charles Dudley, M.E. 1908, Cortland
Experimental Engineering, Machine Design (Sawdon, Kimball) M.M.E.
- Cotton, Richard Thomas, B.S. 1914, Ithaca
Economic Entomology, Insect Morphology (Matheson, Riley) M.S. in Agr.
- Cowles, Frank Hewitt, Ph.B. (Wooster) 1907, Huron, S. Dak.
Latin, Greek, Archaeology (Bennett, Bristol, Andrews) Ph.D.
- Crane, Marion Delia, B.A. (Bryn Mawr) 1911; M.A. (same) 1914, Providence, R. I.
Metaphysics, Ethics, English (Creighton, Albee, Hammond, Thilly, Cooper) Ph.D.
- Critchlow, Howard, C.E. 1910, Ithaca
Hydraulic Engineering, Sanitary Engineering (Schoder, Ogden) M.C.E.
- Crosby, Willard McNeil, B.S. 1915, Ithaca
Landscape Art, Farm Management (Curtis, Warren) M.L.D.
- Crowell, Melvin Gleason, A.B. 1912; A.M. 1912, Belfast
History of English Drama, 19th Century Literature, Aesthetics (Strunk, Northup, Hammond) Ph.D.
- Curtis, Otis Freeman, A.B. (Oberlin) 1911, Oberlin, O.
Plant Physiology, Plant Pathology, Physical Chemistry (Knudson, Whetzel, Briggs) Ph.D.
- Cusick, James Thomas, B.S. (Colgate) 1907, Ithaca
Agricultural Chemistry, Dairy Bacteriology, Sanitary Chemistry (Cavanaugh, Stocking, Chamot) Ph.D.
- Dann, Archie Byron, B.S. 1914, Ithaca
Poultry Husbandry, Animal Husbandry, Agricultural Chemistry (Rice, Savage, Cross) Ph.D.
- Davis, Edwin Wood, A.B. (Rochester Univ.) 1913, Rochester
Landscape Design, Water Color Painting (Davis, Midjo) M.L.D.
- Davis, Henry Kennedy, A.B. 1912, St. Johnsville
Anatomy, Physiology, Histology and Embryology (Kerr, Simpson, Kingsbury) Ph.D.
- Davis, Victor Hugo, Ph.B. (Alfred Univ.) 1911, Alfred
English Literature, American Literature, Philosophy (Northup, Prescott, Creighton) Ph.D.
- Day, Ralph Burnette, M.E. 1906, Ithaca
Research Experimental Engineering, Mathematics, Power Engineering (Carpenter, McMahon, Barnard) Ph.D.
- Dean, Elizabeth, B.A. (Wellesley) 1913, Falmouth, Mass.
Botany, Landscape Art (Wiegand, Curtis) A.M.
- Deans, William, Jr., M.E. 1913, Ithaca
Electrical Engineering, Theoretical Electricity and Magnetism (Karapetoff, Merritt) M.M.E.
- Deatrick, Eugene Peyton, A.B. (Franklin-Marshall) 1911, Kutztown, Pa.
Soil Technology, Physical Chemistry, Organic Chemistry (Bizzell, Briggs, Orndorff) Ph.D.
- Degener, Lyda May, A.B., 1914, Philadelphia, Pa.
Comparative Anatomy and Morphology, Economic Entomology (Reed, Herrick, Needham) Ph.D.

- De Mott, Henry Vroom, B.S. 1915, Pomology, Botany (Chandler, Wiegand) Metuchen, N. J.
M.S. in Agr.
- De Porte, Joseph Vital, A.B. (Univ. of Oklahoma) 1912; A.M. (Princeton) 1914, Ithaca
Geometry, Mathematical Analysis, Physics (Snyder, Hurwitz, Merritt) Ph.D.
- Dix, Edgar Hutton, Jr., M.E. 1914, Roland Park, Md.
Experimental Engineering, Chemistry (Upton, Lundell) M.M.E.
- Dimmick, Forest Lee, A.B. 1915, Ithaca
Psychology, Educational Psychology, Physiology (Titchener, Fraser, Simpson) Ph.D.
- Dickson, Bertram Thomas, B.A. (Queen's Univ.) 1915, Brantford, Ont.
Plant Pathology, Plant Physiology, Plant Histology (Whetzel, Knudson, Eames) Ph.D.
- Douglass, William A., A.B. 1915, Tonia, Mich.
Organic Chemistry, Physical Chemistry, Sanitary Chemistry (Orndorff, Bancroft, Chamot) Ph.D.
- Dunlap, Vining Campbell, A.B. (Bates) 1914, Bowdoinham, Me.
Botany (Mycology), Botany (Histology), (Atkinson, Rowlee) A.M.
- Dye, Harry Wilmer, B.S. in Ag. (Wisconsin) 1915, New Matamora, Ohio
Plant Breeding, Plant Pathology, (Gilbert, Fitzpatrick) M.S. in Agr.
- Dynes, Oliver Wesley, B.S. (N. Dak. Agr.) 1907; M.S. in Agr. (Cornell) 1912, Fargo, N. Dak.
Farm Crops, Plant Breeding, Soils (Montgomery, Love, Bizzell) Ph.D.
- Eastham, Amy Ruth, A.B. (Syracuse) 1915, Spencer
Latin, Mathematics (Bennett, Burgess) A.M.
- Eastman, M. Gale, B.S. (New Hampshire) 1913, Laconia, N. H.
Farm Management, Animal Husbandry (Warren, Savage) M.S. in Agr.
- Ehlers, Joseph Henry, B.S. (Trinity) 1914; M.S. in C.E. (California) 1915, Hartford, Conn.
Bridge Engineering, Economics, (Jacoby Young) M.C.E.
- Eldridge, John A. B.A. (Wesleyan) 1913, Takoma Park, Md.
Experimental Physics, Theoretical Physics, (Richtmyer, Merritt) A.M.
- Ellenberger, Howard Bowman, B.S.A. (Iowa State) 1905; M.S. in Agr. (Cornell) 1915, Ithaca
Dairy Industry, Agric. Chemistry, Bacteriology (Fisk, Cross, Stocking) Ph.D.
- Elley, Harold Walter, B.Sc. (Nebraska) 1912; M.A. (same) 1913, Madison, Neb.
Inorganic Chemistry, Physical Chemistry, Economic Geology, (Browne, Bancroft, Ries) Ph.D.
- Elston, Ellsworth David, A.B. 1912; A.M. 1915, Ithaca
Physical Geography, Economic Geology, Mineralogy and Petrography (von Engeln, Ries, Gill) Ph.D.
- Engelder, Carl John, A.B. 1913; B.Chem. 1914, Ithaca
Physical Chemistry, Inorganic Chemistry, Economic Geology (Bancroft, Browne, Ries) Ph.D.
- †English, Gwendolen, A.B. 1916, Rochester
Philosophy, Psychology (Creighton, Weld) A.M.
- Erickson, Lawrence, B.A. (Minnesota) 1915, Litchfield, Minn.
Histology, Plant Physiology (Eames, Knudson) A.M.
- Erskine, Archibald Mortimer, B.Chem. 1914, New Brighton
Inorganic Chemistry, Physical Chemistry, Organic Chemistry (Browne, Briggs, Orndorff) Ph.D.
- Evans, Paul De Mund, A.B. 1913; A.M. 1914, Ithaca
American History, Modern European History, Medieval History (Hull, Melvin, Burr) Ph.D.
- †Falconer, Cyrus, A.B. (Haverford) 1915, Darling, Pa.
[Adviser: White]
- Fielding, Franklin Roderick, B.S. 1915, New York City
Silviculture, Mensuration (Spring, Bentley) M.F.
- Fiske, Frederick Ebell, A.B. 1914, Ithaca
Elizabethan Literature, Philosophy, Nineteenth Century Poetry (Adams, Creighton, Sampson) Ph.D.
- Fleming, Edwin, A.B., 1915, Buffalo
English Literature, Old English (Cooper, Monroe) A.M.
- Floyd, George David, B.Sc. in E.E. (McGill) 1915, Ithaca
Electrical Engineering, Experimental Engineering, Thermodynamics (Gray, Diederichs, Ellenwood) M.M.E.
- Flynn, William Francis, B.Chem. 1914, Johnstown
Agricultural Chemistry, Organic Chemistry, Electrochemistry (Cavanaugh, Orndorff, Bancroft) Ph.D.
- †Foster, William Silliman, A.B. 1908; Ph.D. 1913, Water Mill
[Adviser: Kerr]
- Fox, Daniel Scott, B.S. 1913, Ptatsburg
Farm Management, Farm Crops, Cost Accounting (Warren, Montgomery, Livermore) Ph.D.
- †Francis, Irvin Torrence, A.B. 1912, Ithaca
[Adviser: Works]
- Fraser, Allan Cameron, B.S. 1913, Buffalo
Plant Breeding, Botany, Floriculture (Gilbert, Wiegand, Beal) Ph.D.
- Freed, John Melvin, B.A. (Muhlenberg) 1915, Perkasio, Pa.
Economic Entomology, Plant Pathology, Botany (Taxonomy) (Herrick, Reddick, Wiegand) Ph.D.
- Frost, Stuart Ward, B.S. 1915, Tarrytown
Economic Entomology, Systematic Entomology, Zoology (Matheson, Bradley, Wright) Ph.D.
- Fulton, Louis, B.S. (Hamilton) 1915, Massena
Physics, Biology (Blaker, Needham) A.M.
- Funkhouser, William Delbert, A.B. (Wabash) 1905; A.M. (Cornell) 1913, Ithaca
Insect Ecology, Insect Morphology, Systematic Entomology (Johannsen, Riley, Bradley) Ph.D.
- Gage, George R., B.S. (Penn. State) 1914; M.S. (Mich. Agr.) 1915, Atlantic City, N. J.
Plant Physiology, Mycology, Organic Chemistry (Knudson, Fitzpatrick, Orndorff) Ph.D.
- †Geisler, Carlyle D., A.B. (Oregon) 1915, Portland, Ore.
[Adviser: Jacoby]

- Geldenhüys, Frans Edward, B.S. 1913, Johannesburg, S. Africa
Rural Education and Economics, Education, Farm Management (Works, Lauman, Fraser, Warren) Ph.D.
- George, S. Shidadeh, B.A. (Beirut) 1912; M.A. (Nebraska) 1914, Philadelphia, Pa.
Psychology, History of Philosophy, Educational Psychology (Titchener, Creighton, Fraser) Ph.D.
- Georgia, Frederick Raymond, B.Chem. 1915, Ithaca
Chemical Microscopy, Biochemistry, Bacteriology (Chamot, Sumner, Moore) Ph.D.
- Gephart, Frank Curtis, A.B. (Kansas) 1906, New York City
Physiology, Chemistry, Bacteriology and Drug Assay (Lusk, Benedict, Elser) Ph.D.
- Gibson, Kasson Stanford, A.B. 1912, Norwich
Experimental Physics, Theoretical Physics, Luminescence (Nichols, Merritt, Gibbs) Ph.D.
- Gilchrist, Raleigh, A.B. in Chem. (Montana) 1915, Great Falls, Mont.
Inorganic Chemistry, Physical Chemistry, Analytical Chemistry (Dennis, Bancroft, Lundell) Ph.D.
- Goldberg, Samuel Alexander, D.V.M. 1914, Ithaca
Pathology, Bacteriology, Physiology (Burnett, Moore, Simpson) Ph.D.
- Goldman, Agnes, A.B. (Bryn Mawr), 1909, New York City
Morphology, Physiology, Chemistry (Stockard, Benedict, Lusk) Ph.D.
- Graham, Robert W., E.E. (N. Dakota) 1913; M.E. (Cornell) 1915, Carrington, N. Dak.
Electrical Engineering, Hydraulics (Gray, Daugherty) M.M.E.
- Graham, Samuel Alexander, B.S. in For. (Minnesota) 1914, Minneapolis, Minn.
Economic Entomology, Silviculture (Herrick, Spring) M.F.
- Grantham, Guy Everett, A.B. (Indiana) 1909, New Richmond, Ind.
Experimental Physics, Theoretical Physics, Alternating Currents (Shearer, Merritt, Bedell) Ph.D.
- Grier, Lucie, B.S. (Florida State College for Women) 1914; M.S. (same) 1915, Palm Beach, Fla.
Entomology (Parasitology), Bacteriology, Insect Ecology (Riley, Fitch, Johannsen) Ph.D.
- Griscom, Ludlow, B.A. (Columbia) 1912; A.M. (Cornell) 1915, New York City
Ornithology, Taxonomic Botany, Systematic Zoology (Allen, Wiegand, Wright) Ph.D.
- †Guss, Roland Wilkins, A.B. (Wesleyan) 1888, Middleton, Mass.
[Adviser: Works]
- Gutsell, James Squier, A.B. 1911, Ithaca
Aquiculture, Limnology (Embrey, Needham) A.M.
- Hadley, Charles Harvey, Jr., B.S. (New Hampshire) 1912, Ithaca
Insect Morphology, Systematic Entomology (Riley, Bradley) A.M.
- Ham, Edwin Sleight, B.S. 1915, Verbank
Animal Husbandry, Farm Management (Harper, Warren) M.S. in Agr.
- †Hamabe, Gengiro, (Kyoto University) 1908, Ithaca
[Adviser: Diederichs]
- Haman, Miles Bertine, B.S. 1915, Reading, Pa.
Silviculture, Dendrology (Spring, Bentley) M.F.
- Hammer, Christine, A.B. (Bryn Mawr) 1912, Pottstown, Pa.
English Literature, Old English (Cooper, Monroe) A.M.
- Hancy, Anna Jane, A.B. 1912, Hayts Corners
Systematic Botany, Pomology (Wiegand, Chandler) A.M.
- Hardenburg, Earle Volcart, B.S. 1912, Brocton
Farm Crops, Plant Breeding, Farm Management (Montgomery, Myers, Warren) Ph.D.
- †Hartzog, Justin Richardson, B.S. (Denison) 1914, Tecumseh, Mich.
[Adviser: Davis]
- Harvey, Lew Ellsworth, B.S. 1914, Marathon
Farm Management, Poultry Husbandry (Thompson, Livermore, Rice) Ph.D.
- Haskell, Royal Joyslin, B.S. (Dartmouth) 1912, Rochester, Mass.
Plant Pathology, Plant Physiology, Entomology (Barrus, Knudson, Herrick) Ph.D.
- Hatch, Duane Spencer, B.S. 1915, Greenwich
Rural Economy, Education (Lauman, Works, Fraser) M.S. in Agr.
- Hausman, Leon Augustus, A.B. 1914, Ithaca
Zoology, Meteorology (Reed, Wilson) A.M.
- Hawley, Ira Myron, B.A. (Michigan) 1909, Canandaigua
Economic Entomology, Systematic Entomology, Zoology (Herrick, Bradley, Wright) Ph.D.
- Hawes, Raymond Preston, A.B. (Brown) 1912; A.M. (same) 1913, Riverside, R. I.
Logic and Metaphysics, Ethics, Education (Creighton, Albee, Hammond, Thilly, Fraser) Ph.D.
- Hebel, John William, A.B. (Indiana) 1912; A.M. (Cornell) 1913, Auburn, Ind.
Elizabethan Drama, English Poetry, Philosophy (Adams, Sampson, Creighton) Ph.D.
- Heinicke, Arthur John, B.S. in Agr. (Missouri) 1913; M.A. (same) 1914, Ithaca
Pomology, Plant Physiology, Botany (Chandler, Knudson, Eames) Ph.D.
- Helmick, Ben Coe, B.S. in Agr. (Iowa State) 1914; M.S. in Agr. (Cornell) 1915, Washington, Iowa
Plant Breeding, Plant Physiology, Farm Crops (Love, Knudson, Montgomery) Ph.D.
- Hess, Walter Norton, A.B. (Oberlin) 1913, Great Valley
Insect Morphology, Economic Entomology (Riley, Herrick) A.M.
- Heuser, Gustave Frederick, B.S. 1915, Buffalo
Poultry, Rural Education (Rice, Works, Fraser) M.S. in Agr.
- Holland, Robert T., A.M. (Northwestern) 1911, Scottsville, Ky.
Psychology, Education, Physiology (Titchener, Fraser, Simpson) Ph.D.
- Hook, Warren Howard, M.E. 1908, Ithaca
Experimental Engineering, Power Engineering (Carpenter, Smith) M.M.E.
- Hopkins, Edwin Fraser, B.S. 1915, Buffalo
Plant Pathology, Plant Physiology, Physical Chemistry (Whetzel, Knudson, Briggs) Ph.D.

- Hotchkiss, Herbert Vinton, B.S., C.E. (Penn.) 1914, Philadelphia, Pa.
Economics of Railroad, Location and Operation, Economics and Finance, (—, Barnes, Young) M.C.E.
- Hottes, Alfred Carl, B.S. 1913; M.S. in Agr. 1914, Ithaca
Floriculture, Plant Breeding, Botany (Beal, Gilbert, Rowlee) Ph.D.
- Howe, Anna Mayme, A.B. (Wells) 1908; A.M. (Cornell) 1911, Jordan
Mathematics (Geometry), Mathematical Analysis, Physics (Snyder, Hurwitz, Blaker) Ph.D.
- Howard, Delton Thomas, A.B. (Lawrence) 1910; A.M. (Illinois) 1912, Appleton, Wis.
Metaphysics, Psychology, Ethics (Albee, Hammond, Weld, Thilly) Ph.D.
- Hu, Minfu Tah, A.B. 1914, Ithaca
Mathematical Analysis, Physics, Geometry (Hurwitz, Merritt, Snyder) Ph.D.
- Hu, Shien Sung, B.S. 1914, Shanghai, China
Silviculture, Forest Mensuration (Spring, Bentley) M.F.
- Hughes, Ruby Beatrice, B.A. (Western) 1911; A.M. (Cornell) 1915, Gurnee, Ill.
Insect Ecology, Parasitology, Plant Ecology (Needham, Riley, Wiegand) Ph.D.
- Hugins, Charles Roland, A.B. 1911, Ithaca
Economic Theory, Economics, Social Science and Statistics (Adams, Young, Willcox) Ph.D.
- Hume, Kenneth White, B.S. 1915, Brooklyn
Silviculture, Pomology (Spring, Chandler) M.S. in Agr.
- Hunter, Merlin Harold, B.A. (Muskogum) 1912; M.A. (Princeton) 1913, Chandlersville, O.
Finance, Economic Theory, Politics (Young, Adams, Orth) Ph.D.
- Jackson, Donald, B.A. (Oxford) 1915, Paris, France
French, Spanish, Italian (Comfort, Keniston, Hamilton) Ph.D.
- Jackson, Howard Campbell, B.S. 1915, Trumansburg
Analysis of Dairy Products, Physical and Bacteriological Problems of Cheese Making (Troy, Fisk) M.S. in Agr.
- Jacoby, John Edward, A.B. (Michigan) 1910; A.M. (Penn.) 1913, York, Pa.
English Criticism, French, English Drama (Prescott, Mason, Sampson) Ph.D.
- Jenks, Leon E., B.S. (Hamilton) 1905; M.S. (same) 1908, Ithaca
Inorganic Chemistry, Analytical Chemistry (Browne, Lundell) A.M.
- Jennings, David Stout, B.S. (Utah Agr.) 1912, Hinckley, Utah
Soils, Physiography, Physical Chemistry (Bizzell, von Engeln, Briggs) Ph.D.
- Johnson, Edgar Blauvelt, B.Chem. 1915, Tarrytown
Inorganic Chemistry, Organic Chemistry, Quantitative Analysis (Dennis, Orndorff, Lundell) Ph.D.
- Johnson, Gertrude Amelia, B.S. (Northwestern) 1911; M.S. (Illinois) 1913, Chicago, Ill.
Histology and Embryology, Botany, Biology (Kingsbury, Wiegand, Needham) Ph.D.
- †Johnson, Howard Eckler, D.V.M. 1914, Ithaca
[Adviser: Hopkins]
- †Jones, H. Foster, A.B. (Amherst) 1891; A.M. (same), Huron, S. D.
[Adviser: Sampson]
- Kaufman, Gerald Lynton, B.Arch. 1915, New York City
Design, Drawing from Life, History of Architecture (Meeks, Brauner, Phelps) M. Arch.
- †Kelsey, Dean Ward, B.S. 1915, Franklinville
[Adviser: Works]
- Kenerson, Albert Scott, B.S. 1915, Buffalo
Plant Breeding, Floriculture (Barker, White) M.S. in Agr.
- Kennedy, Clarence Hamilton, A.B. (Indiana) 1902; A.M. (Stanford) 1914, Rockport, Ind.
Insect Morphology, Systematic Entomology, Vertebrate Zoology (Needham, W. A. Riley, Johannsen, Reed) Ph.D.
- Kennedy, John Joseph, B.Chem. 1913, Ithaca
Organic Chemistry, Analytical Chemistry, Sanitary Chemistry (Orndorff, Lundell, Chamot) Ph.D.
- Kennedy, Raymond McCormick, B.Arch. 1915, New Brighton, Pa.
Design, Seminary (Meeks, Phelps) M.Arch.
- Kingery, Hugh McMillan, B.A. (Wabash) 1908; M.A. (same) 1909, Crawfordsville, Ind.
Histology and Embryology, Zoology, Entomology (Kingsbury, Reed, Riley) Ph.D.
- Kirchberger, Henry Stern, B.Arch. 1915, Chicago, Ill.
Design, Life Drawing (Meeks, Brauner) M.Arch.
- Kirk, William, A.B. (Tarkio) 1912; M.A. (Nebraska) 1914, Tarkio, Mo.
Inorganic Chemistry, Analytical Chemistry, Physical Chemistry (Browne, Lundell, Briggs) Ph.D.
- Kirkpatrick, Ellis L., B.S.A. (Iowa State) 1914, So. English, Ia.
Farm Management (Thompson, Warren) M.S. in Agr.
- Knight, Frank Hyneman, Ph.B. (Milligan) 1911; B.S. (Tennessee) 1913; M.A. (Tennessee) 1913, Pennington Gap, Va.
Economics, Social Science, Ethics (Young, Willcox, Thilly) Ph.D.
- Knight, Harry Hazelton, B.S. 1914, Ithaca
Economic Entomology, Insect Ecology, Limnology (Herrick, Johannsen, Needham) Ph.D.
- Knowlton, Harry E., B.S. (Mich. Agr.) 1912, Fenville, Mich.
Plant Physiology, Plant Breeding, Pomology (Knudson, Gilbert, Chandler) Ph.D.
- †Knowlton, Helen, A.B. (Mt. Holyoke) 1903, Ithaca
[Adviser: Van Rensselaer]
- Koch, Catherine Elizabeth, B.S. (Mich. Agr. College) 1909, Buffalo
Biology, Landscape Gardening (Needham, Davis) A.M.
- Kochenderfer, Clarence Cameron, A.B. (Maryville) 1906, Martinsburg, Pa.
Political Science, Economics, American History (Orth, Young, Hull) Ph.D.
- Koon, Ray Milton, B.S. (Penn. State) 1914, Latrobe, Pa.
Pomology, Plant Physiology (Chandler, Knudson) M.S. in Agr.

- Koller, Joseph Peter, B.Chem. 1912, Ithaca
Inorganic Chemistry, Organic Chemistry, Physical Chemistry (Dennis, Orndorff, Bancroft)
Ph.D.
- †Krohn, Ralph Lyttleton, B.S. 1916, Utica
Plant Pathology, Plant Physiology, Entomology (Whetzel, Knudson, Herrick)
Ph.D.
- La Follette, Rollin J., A.B. (Pomona) 1915, Highland, Cal.
Economic Entomology, Plant Pathology (Herrick, Hesler)
A.M.
- Lake, Dyer Barker, B.S. (Syracuse) 1909; M.S. (same) 1910, White Creek
Physical Chemistry, Organic Chemistry, Sanitary Chemistry (Bancroft, Orndorff, Chamot)
Ph.D.
- Landt, James Lefferts, M.E. 1914, Valatie
Experimental Engineering, Engineering Research (Diederichs, Sawdon)
M.M.E.
- Lanneau, Louise Cox, B.A. (Meredith) 1908, Wake Forest, N. C.
Sanitary Chemistry, Analytical Chemistry (Chamot, Lundell)
A.M.
- Lauritzen, John Irwin, B.S. (Utah Agr.) 1913, Moroni, Utah
Plant Physiology, Plant Pathology, Physical Chemistry (Knudson, Reddick, Briggs)
Ph.D.
- Leathers, Adelbert Llewellyn, Ph.B. (Wesleyan) 1907, S. Orrington, Me.
Limnology, Insect Ecology, General Zoology (Needham, Johannsen, Reed)
Ph.D.
- Leonard, Mortimer Demarest, B.S. 1913, Ridgewood, N. J.
Economic Entomology, Systematic Entomology, Plant Pathology (Crosby, Bradley, Stewart)
Ph.D.
- Lewis, Carrie May, A.B. 1903, Catskill
American History, Modern European History, American Literature (Bretz, Prescott)
Ph.D.
- Lindstrom, Ernest Walter, A.B. (Wisconsin) 1914, Chicago, Ill.
Plant Breeding, Plant Physiology, Pomology (Emerson, Knudson, Chandler)
Ph.D.
- Lobdell, Richard Nugent, B.S. (Miss. A. & M.) 1910; M.S. (same) 1912, Rosedale, Miss.
Limnology, Zoology, Botany (Embrey, Reed, Wiegand)
Ph.D.
- Long, Eleanor Latum, A.B. 1915, Ithaca
Geology, Oriental History (Harris, Schmidt)
A.M.
- Long, Tudor Seymour, A.B. 1915, Ithaca
English, Philosophy (Adams, Creighton)
A.M.
- McAnlis, Chauncey Ruthven, B.S. (Penn. State) 1910; C.E. (same) 1915, Ithaca
Bridge Engineering, Mechanics (Jacoby, Church)
M.C.E.
- McClain, Carl A., B.S. (Oregon) 1906; C.E. (same) 1912, Eugene, Ore.
Sanitary Engineering, Experimental Hydraulics (Ogden, Schoder)
M.C.E.
- McClung, Reid Sage, A.B. (Morris Harvey) 1904, Barboursville, W. Va.
Economics, Economic History of America, Social Science (Young, Hull, Willcox)
Ph.D.
- Mac Daniels, Lawrence Howland, A.B. (Oberlin) 1912, Oberlin, O.
Botany, Plant Pathology, Pomology (Eames, Reddick, Chandler)
Ph.D.
- †Mac Donald, John Yates, B.A. (Virginia) 1909; M.A. (same) 1909, Charlestown, W. Va.
[Adviser: Chandler]
- McIlvaine, Theodore Clinton, B.S. in Agr. (Penn. State) 1915, Paradise, Pa.
Soil Technology, Farm Crops, Farm Management (Bizzell, Montgomery, Warren)
Ph.D.
- McIntire, Walter Hoge, B.S. (N. C. A. & M.) 1905; M.S. (Penn. State) 1909, Knoxville, Tenn.
Soil Technology, Physical Chemistry, Physical Geography (Bizzell, Briggs, von Engeln)
Ph.D.
- McKeel, Amy Grace, A.B. 1910, Trumansburg
Taxonomic Botany, Zoology (Wiegand, Reed)
A.M.
- McKinney, Asa E., A.B. (Indiana) 1914; A.M. (same) 1915, Scircleville, Ind.
Inorganic Chemistry, Physical Chemistry, Agricultural Chemistry (Browne, Bancroft, Cavanaugh)
Ph.D.
- McVetty, Percy George, M.E. 1913, Buffalo
Experimental Engineering, Air Measurement (Upton, Carpenter, Sawdon)
M.M.E.
- Mack, Edward Lawrence, B.S. (Union) 1912, Vergennes, Vt.
Physical Chemistry, Sanitary Chemistry, Analytical Chemistry (Bancroft, Chamot, Lundell)
Ph.D.
- Mallory, William Garfield, A.B. (Oberlin) 1905; A.M. (same) 1907, Bemus Point
Experimental Physics, Applied Electricity, Theoretical Physics (Nichols, Bedell, Merritt)
Ph.D.
- Maloy, Thomas P., B.S. 1915, Rochester.
Silviculture, Utilization of Wood Products (Spring, Recknagel)
M.F.
- Martin, Donnis, A.B. (Missouri) 1911; A.M. (same) 1913, El Dorado Springs, Mo.
Latin, Greek Archaeology (Bennett, Bristol, Andrews)
Ph.D.
- Martin, Gladys, A.B. (Missouri) 1911; A.M. (same) 1913, El Dorado Springs, Mo.
Latin, Greek Archaeology (Bennett, Bristol, Andrews)
Ph.D.
- Martin, Thomas Lysons, B.A. (Brigham Young) 1912, American Fork, Utah
Soil Technology, Plant Physiology, Physical Chemistry (Bizzell, Knudson, Bancroft)
Ph.D.
- Massey, Louis M., A.B. (Wabash) 1912, Lima, O.
Plant Pathology, Floriculture, Organic Chemistry (Reddick, Beal, Orndorff)
Ph.D.
- Meade, De Voe, B.S. (Penn. State) 1911, Ithaca
Animal Husbandry, Farm Management, Plant Breeding (Wing, Warren, Myers)
Ph.D.
- Metcalf, Franklin Post, B.A. (Oberlin) 1913, Talladega, Ala.
Botany, Pomology, Zoology (Wiegand, Chandler, Wright)
Ph.D.
- vander Meulen, Peter Andrew, B.Chem. 1913, Dunkirk
Inorganic Chemistry, Organic Chemistry, Mineralogy (Dennis, Orndorff, Gill)
Ph.D.
- Minns, Lua Alice, B.S. 1914, Lodi, O.
Floriculture, Plant Breeding (Beal, Gilbert)
M.S. in Ag.
- Misner, Edward Gardner, B.S. 1913, Dairyland
Farm Management, Animal Husbandry (Thompson, Warren, Wing)
M.S. in Agr.
- Monnett, Victor Elvert, A.B. (Oklahoma State) 1912, Norman, Okla.
Physical Geography, Economic Geology, Soil Technology (von Engeln, Ries, Bizzell)
Ph.D.
- Montillon, Eugene Davis, B.Arch. 1912, Ithaca
Landscape Design, History of Architecture (Curtis, Phelps)
M.L.D.

- Morath, George S., B.S. (Colgate) 1915, Utica
Experimental Physics, Mathematics (Merritt, Owens) A.M.
- Mordoff, Richard Alan, B.S. in Agr. 1911, Ithaca
Farm Management, Cost Accounting, Physical Geography (Warren, Livermore, von Engeln) Ph.D.
- Morehouse, Russell, A.B. 1913, Utica
Latin, Ancient History (Bennett, Sill) A.M.
- Morrow, Nelson Doolittle, B.S. 1915, Lockport
Economic Entomology, Entomology (Parasitology) (Herrick, Riley) M.S. in Agr.
- Moses, Winifred, B.S. 1915, Ithaca
Biochemistry, Physical Chemistry, Sanitary Chemistry (Sumner, Briggs, Chamot) Ph.D.
- Muldoon, William Edward, D.V.M. 1913, Waverly
Veterinary Surgery, Materia Medica (Williams, Milks) A.M.
- Munz, Phillip Alexander, A.B. (Denver) 1913; A.M. (same) 1914, Denver, Col.
Biology, Botany, Plant Breeding (Needham, Wiegand, Gilbert) Ph.D.
- Murray, Ruby Rivers, A.B. (Mt. Holyoke) 1912; A.M. (same) 1914, Guilford, Conn.
Organic Chemistry, Analytical Chemistry, Physical Chemistry (Orndorff, Lundell, Bancroft) Ph.D.
- Myers, William Irving, B.S. 1914, Ithaca
Farm Management, Animal Husbandry, Political Science (Thompson, Livermore, Wing, Willcox) Ph.D.
- Nakahara, Waro, B.S. (Tokyo Agr.) 1915, Tokyo, Japan
Entomology, Systematic Entomology, Insect Morphology (Needham, Bradley, Riley) Ph.D.
- Nanz, Ralph Simpson, B.S. in Agr. 1912, Ithaca
Plant Physiology, Limnology (Knudson, Needham) M.S. in Agr.
- Newland, Fay Hartman, A.B. 1915, Fall River, Mass.
English, Education (Adams, Coursault) A.M.
- Norris, Elton Rockwell, B.Arch. 1913, Cleveland, O.
Architectural Design, Architectural Drawing (Meeks, Phelps) M.Arch.
- Norris, Olive Katherine, A.B. (Oberlin) 1905, Spencer
Physical Chemistry, Physics, Biochemistry (Bancroft, Merritt, Sumner) Ph.D.
- Olsson, Axel Adolf, A.B. 1913, Gloversville
Paleontology, Mineralogy and Petrography, Economic Geology (Harris, Gill, Ries) Ph.D.
- Overholser, Earle Long, B.S. in Agr. (Missouri) 1913; M.A. (same) 1914, Harrisonville, Mo.
Pomology, Botany, Plant Physiology (Chandler, Wiegand, Knudson) Ph.D.
- Parker, John Huntington, B.S. (Minnesota) 1913, Washington, D. C.
Plant Breeding, Plant Pathology (Love, Fitzpatrick) M.S. in Agr.
- Parker, McRea, M.E. 1914, Washington, D. C.
Problems of Furnace Combustion, Science of Coal Combustion (Carpenter, Diederichs) M.M.E.
- Peacock, Walter Miller, B.S. 1913, Bridgeton, N. J.
Farm Crops, Farm Management, Rural Economy (Montgomery, Warren, Lauman) Ph.D.
- Pearsall, George Martin, M.E. 1915, Brooklyn
Illumination, Physics (Richtmyer, Blaker) A.M.
- Peck, Gilbert Warren, B.S. 1912, Wolfville, Nova Scotia
Pomology, Farm Management (Chandler, Warren) M.S. in Agr.
- Pekary, Charlotte Helen, A.B. 1915, Brooklyn
German, French (Davidsen, Mason) A.M.
- Perry, Arthur Cecil Fox, C.E. (Columbia) 1908, New Brighton
Economic Entomology, Systematic Entomology, Plant Pathology (Herrick, Bradley, Reddick) Ph.D.
- Perry William Henry, A.B. (Syracuse) 1908; M.A. (Columbia) King Ferry
Logic and Metaphysics, Ethics (Creighton, Thilly) Ph.D.
- Petersen, Verd, A.B. (W. Virginia) 1910, Murfreesboro, Tenn.
Rural Economy, Rural Education, Biology (Lauman, Works, Needham) A.M.
- Phillips, Cyrus Grammer, A.B. (Nebraska State) 1912, Moore's Hill, Ind.
Farm Management, Rural Economy, Education (Warren, Lauman, Works, Fraser) Ph.D.
- Phillips, Harold Deane, A.B. (Oberlin) 1910; B.S. in Agr. (Cornell) 1914, Brooklyn
Rural Economy, Political Science, History (Lauman, Willcox, Hull) Ph.D.
- ††Phillips, La Verne Samuel, B.S. 1916, Mayville
Farm Crops, Farm Management (Montgomery, Warren) M.S. in Agr.
- †Phipps, George R., B.S. 1915, Ithaca
[Adviser: Lauman]
- Pickerill, Horace Mann, B.S. in Agr. 1911, Ripley, O.
Bacteriology, Butter Making, Organic Chemistry (Stocking, Guthrie, Orndorff) Ph.D.
- Pidgeon, Howard A., B.Sc. (Ohio) 1911; M.Sc. (same) 1912, Pennsville, O.
Experimental Physics, Theoretical Physics, Hydraulics (Nichols, Merritt, Church) Ph.D.
- Ploss, Marian, B.S. (New York State Normal) 1913, Hunter
Mathematics, X-Ray and Radioactivity (Craig, Shearer) A.M.
- Ping, Chih, B.S. 1913, Kai Feng, Ho-Nan, China
Biology, Entomology, Vertebrate Zoology (Needham, Johannsen, Reed) Ph.D.
- Pollard, Ray Ford, B.S. 1915, Whitney Point
Farm Management, Animal Husbandry, Rural Economy (Warren, Wing, Lauman) Ph.D.
- Pollock, Curtis Halstead, A.B. (Fargo) 1912; B.S. in Agr. (N. Dakota Agr.) 1914, Fargo, N. D.
Plant Breeding, Farm Crops (Myers, Montgomery) M.S. in Agr.
- Proctor, Jules Gabriel, A.B. 1915, Brooklyn
Philosophy, English (Creighton, Cooper) A.M.
- Putnam, Arthur James, A.B. 1915, Deposit
English Drama, Middle English (Sampson, Strunk) A.M.

- Quimby, Mary Agnes, A.B. (Bryn Mawr) 1906, Berwyn, Pa.
German Literature, German Philology (Davidsen, Boesche) A.M.
- Rahe, Jessie Moore (Mrs.) B.A. (Leland Stanford) 1901; A.M. (Columbia) 1912, New York City
Physiology, Bacteriology, Pharmacology (Benedict, Hatcher, Elser) Ph.D.
- †Ralph, Georgia G., B.A. (Wellesley) 1899, Pittsburgh, Pa.
[Adviser: Lauman]
- Randall, Ethan James, B.S. (Syracuse) 1913, Oswego
Entomology, Plant Pathology (Herrick, Hesler) A.M.
- Rasmussen, Andrew Theodore, A.B. (Brigham Young) 1909, Provo, Utah
Physiology, Histology, Anatomy (Simpson, Kingsbury, Kerr) Ph.D.
- Ray, Arthur Benning, B.A. (Wake Forest) 1910; M.A. (same) 1911, Leaksville, N. C.
Inorganic Chemistry, Physical Chemistry, Sanitary Chemistry (Dennis, Bancroft, Chamot) Ph.D.
- Reagan, William J., A.B. (Earlham) 1904; A.B. (Haverford) 1905, Poplar Ridge
History of Philosophy, Ethics (Creighton, Albee, Hammond) Ph.D.
- Rego, Guy P., A.B. (Colgate) 1913, Van Etten
Education (Fraser) Ph.D.
- Reid, Charles Roy, B.S. in E.E. (Oregon) 1906; E.E. (Oregon) 1912, Eugene, Ore.
Power Plant Design, Theoretical Electrical Engineering (Karapetoff, Daugherty) M.M.E.
- Reidy, Margaret Mary, A.B. 1908, Ithaca
Botany, Entomology (Wiegand, Needham) A.M.
- Rhea, William Allen, B.S. (Missouri) 1915, Peirce City, Mo.
Animal Husbandry, Dairy Husbandry (Savage, Ross) M.S. in Agr.
- Rich, Gilbert Joseph, A.B. 1915; A.M. 1915, New York City
Psychology, Educational Psychology, Physiology (Titchener, Fraser, Simpson) Ph.D.
- Richmond, Edward Avery, B.S. (Dartmouth) 1912, Brockton, Mass.
Limnology, Insect Morphology, Systematic Entomology (Needham, Riley, Bradley) Ph.D.
- Rider, Arthur J., B.S. (Colgate) 1912; M.S. (same) 1914, Apalachin
Physical Chemistry, Inorganic Chemistry, Sanitary Chemistry (Bancroft, Dennis, Chamot) Ph.D.
- Ries, Victor Heinrich, B.S. 1915, Ithaca
Floriculture, Plant Breeding (Beal, Emerson) M.S. in Agr.
- Riley, Edgar Heisler, A.B. 1915, Wilmington, Del.
English Literature, Old English (Cooper, Monroe) A.M.
- Rogers, Fred Stillman, B.S. (Alfred) 1909; M.E. (Cornell) 1913, Alfred
Electrical Engineering, Machine Design (Karapetoff, Kimball) M.M.E.
- ††Roper, Frank Adams, B.S. 1915, Owego
Farm Management, Animal Husbandry (Thompson, Wing) M.S. in Agr.
- Roos, Florence Tryon, A.B. (Syracuse) 1913, Chenango Forks
English Literature, Old English (Cooper, Monroe) A.M.
- ††Rosenberg, Jacob, B.S. 1916, Brooklyn
Plant Pathology, Plant Physiology (Gregory, Knudson) M.S. in Agr.
- Rudkin, Charles Nathan, B.S. (Wesleyan) 1915, Middletown, Conn.
Organic Chemistry, Inorganic Chemistry, Physiology (Orndorff, Browne, Simpson) Ph.D.
- Ruehle, Godfrey L. A., B.S. (Washington) 1908; M.S. (same) 1910, Geneva
Dairy Industry, Botany, Sanitary Chemistry (Stocking, Knudson, Chamot) Ph.D.
- †Ruprecht, Rudolph, B.Sc. (Rhode Island State) 1911, Brooklyn
[Adviser: Bizzell]
- Savage, Clifford Boynton, B.S.A. (Missouri) 1913, Frankfort, Mich.
Pomology, Plant Pathology, (Chandler, Stewart) M.S. in Agr.
- Sawyer, William Hayes, A.B. (Bates) 1913, Cornish, Me.
Botany (Mycology), General Botany (Atkinson, Wiegand) A.M.
- Schelleng, John Christopher, A.B. 1915, Holyoke, Mass.
Experimental Physics, Theoretical Physics, Physical Chemistry (Richtmyer, Merritt, Briggs) Ph.D.
- von Schenk, Kurt, A.B. (Conn. Agr.) 1910; A.B. (Harvard) 1913, Ithaca
Rural Economy, Political Economy (Lauman, Usher) M.S. in Agr.
- Schumm, Paul Berwig, B.S. 1915, New York City
Medieval History, English Literature (Burr, Sampson) A.M.
- Scoville, Ralph Irving, B.S. 1914, Plainville, Conn.
Butter Making, Dairy Bacteriology (Guthrie, Stocking) M.S. in Agr.
- Scott, Joseph Prestwich, D.V.M. (Ohio State) 1914, Manchester, Eng.
Veterinary Physiology, Comparative Pathology (Fish, Moore) A.M.
- Seulke, Karl John, B.S. (Purdue) 1913; M.S. (Penn. State) 1914, Ithaca
Animal Husbandry, Animal Nutrition, Market Poultry (Wing, Savage, Benjamin) Ph.D.
- Severance, Mildred, A.B. 1915, Buffalo
Floriculture, Advanced Photography (White, Moler) A.M.
- Severy, Harold Allen, A.B. (Middlebury) 1909; A.M. (same) 1912, Brandon, Vt.
Botany (Histology), Pomology (Eames, Chandler) M.S. in Agr.
- Shaper, Bernard William, B.S. 1914, Herkimer
Rural Economy, Plant Breeding (Lauman, Gilbert) M.S. in Agr.
- Shadle, Albert Ray, B.A. (Ohio State) 1913; M.A. (same) 1915, Lockbourne, O.
Zoology, Limnology, Histology (Reed, Needham, Kingsbury) Ph.D.
- Shepard, John Berdan, B.S. 1907, Buffalo
Farm Management, Mechanics, Hydraulics (Warren, Church) M.S. in Agr.
- Sherwood, Fleming Bates, B.S. (N. C. A. & M.) 1912; M.S. (same) 1915, Raleigh, N. C.
Physical Chemistry, Organic Chemistry, Agricultural Chemistry (Bancroft, Orndorff, Cavanaugh) Ph.D.
- Sherwood, Francis Webber, B.S. (N. C. A. & M.) 1909; M.S. (same) 1911, Raleigh, N. C.
Organic Chemistry, Soils, Biochemistry (Orndorff, Bizzell, Sumner) Ph.D.

- Shigley, James Fremont, D.V.M. 1915, Ithaca
Surgery, Research in Diseases of Breeding Cattle (Frost, Williams) A.M.
- Smith, Ernest Rice, A.B. (Oberlin) 1912, Ithaca
Paleontology, Mineralogy, Economic Geology (Harris, Gill, Ries) Ph.D.
- Smith, Roger Cletus, A.B. (Miami) 1911; M.A. (Ohio State) 1915, Ithaca
Entomology, Parasitology, General Zoology (Needham, Riley, Reed) Ph.D.
- Smith, William D., A.B. 1915, Schenectady
American History, Politics and Government, English History (Bretz, Orth, Lunt) Ph.D.
- Snyder, Robert Mifflin, B.S. (Mich. Agr.) 1914, E. Lansing, Mich.
Soil Technology, Plant Physiology, Physical Chemistry (Bizzell, Knudson, Briggs) Ph.D.
- †Soule, Ardra, A.B. (Smith) 1910, Hingham, Mass.
[Adviser: Prescott.]
- Spamer, George Adam, B.S. 1915, New York City
Silviculture, Mensuration (Spring, Bentley) M.F.
- Stapley, Edward Ray, C.E. 1914, Geneseo
Municipal Water Works, Municipal Government (Ogden, Saby) M.C.E.
- Stenberg, Theodore F., A.B. (Minnesota) 1906; A.M. (same) 1908, Ithaca
Drama, Philosophy, Education (Sampson, Andrews, Hammond, Coursault) Ph.D.
- Stobbs, William Malcolm, A.B. 1915, Ithaca
Anatomy, Histology and Embryology (Kerr, Kingsbury) A.M.
- Stork, Harvey Elmer, A.B. (Indiana State Normal) 1914, Huntingburg, Ind.
Botany, Mycology, Botany, Morphology and Embryology, Vertebrate Embryology (Atkinson, Rowlee, Kingsbury) Ph.D.
- †Story, Irving Chellis, B.S. (New Hampshire) 1915, Claremont, N. H.
[Adviser: Curtis]
- Stratton, Robert, A.B. (Miami) 1915, Georgetown, O.
Plant Physiology, Plant Pathology, Organic Chemistry (Knudson, Whetzel, Orndorff) Ph.D.
- Strong, Helen Shaurman, A.B. (Vassar) 1914; A.M. (Cornell) 1915, Germania, Pa.
Latin, Greek, English (Bennett, Bristol, Cooper) Ph.D.
- †Stuntz, Hugh Clark, A.B. (Wesleyan) 1914, New York City
[Adviser: Wing]
- Sutton, Fredrick James, B.S. in Agr. (Purdue) 1915, Kokomo, Ind.
Pomology, Plant Pathology (Chandler, Helser) M.S. in Agr.
- Sutton, John E., A.B. 1915, Albion
Anatomy, Physiology (Kerr, Dresbach) A.M.
- Supplee, George Cornell, B.S. 1913, Penn Yan
Bacteriology, Sanitary Chemistry, Biochemistry (Stocking, Chamot, Sumner) Ph.D.
- Swabey, William Curtis, A.B. (Leland Stanford) 1915, Riverside, Ill.
Logic and Metaphysics, Ethics, Psychology (Creighton, Thilly, Weld) Ph.D.
- Sweet, Alfred Henry, A.B. (Bowdoin) 1913; A.M. (Harvard) 1914, Portland, Me.
English History, Medieval History, English (Lunt, Burr, Strunk) Ph.D.
- Swisher, Charles Lee, A.B. (Illinois) 1909; A.M. (Michigan) 1913, Wellington, Ill.
Experimental Physics, Theoretical Physics, Applied Electricity (Nichols, Merritt, Bedell) Ph.D.
- †Tapke, Victor F., B.S. (Ohio State) 1914, Cincinnati, O.
[Adviser: Herrick]
- Thayer, Clark Leonard, B.S. (Mass. Agr.) 1913, Enfield, Mass.
Floriculture, Plant Breeding (Beal, Gilbert) M.S. in Agr.
- Thomas, Allen Job, LL.B. (1907); A.B. 1909, Ithaca
Ethics, Logic and Metaphysics, Education (Thilly, Creighton, Albee, —) Ph.D.
- Thomas, Cecil Calvert, A.B. (Wabash) 1912; M.A. (same) 1913, Ithaca
Botany (Histology), Plant Pathology, Plant Breeding (Wiegand, Reddick, Gilbert) Ph.D.
- Thomas, Charles Edwin, M.E. 1913, Brooklyn
Mechanical Engineering Research, Lubrication (Carpenter, Upton) M.M.E.
- Thompson, James Dilley, Jr., B.Sc. (Denison) 1914, Granville, O.
Economic Geology, Stratigraphic Geology (Ries, Harris) A.M.
- Thompson, John Graham, B.Chem. 1915, Eau Claire, Wis.
Electrochemistry, Analytical Chemistry, Sanitary Chemistry (Bancroft, Lundell, Chamot) Ph.D.
- Tressler, Donald Kiteley, A.B. (Michigan) 1913, Montpelier, O.
Agricultural Chemistry, Organic Chemistry, Soils (Cavanaugh, Orndorff, Bizzell) Ph.D.
- Thurston, Allen McKinley, A.B. 1915, Sulphur Springs, Ind.
Agricultural Chemistry, Soil Technology, Bacteriology (Cross, Bizzell, Stocking) Ph.D.
- Tibbits, Armand Rhodes, B.S. 1915, Waukesha, Wis.
Landscape Art (Design), Water Coloring (Davis, Midjo) M.L.D.
- Tilley, Norman Nevil, M.E. 1915, Buffalo
Experimental Engineering, Chemistry (Upton, Lundell) M.M.E.
- †Titsworth, Bertha E., B.S. 1915, Alfred
[Adviser: Van Rensselaer]
- Traxel, Emma Jane, B.S. 1899, Rome
French, German (Comfort, Faust) A.M.
- Tsou, Ping Wen, B.S. 1915, Soochow, China
Plant Breeding, Plant Pathology, (Gilbert, Fitzpatrick) M.S. in Agr.
- †Van Wagenen, Ethel P., Ph.B. (Colorado) 1901, Denver, Col.
[Adviser: Rose]
- Vass, Alonzo Frederick, B.S. (Kan. State Agr.) 1909; M.S. (Wisconsin) 1911, Glasco, Kan.
Soil Technology, Plant Physiology, Farm Management (Bizzell, Knudson, Warren) Ph.D.
- Vinton, Frances E., A.B. (Boston) 1904, Bedford, N. J.
Foods, Chemistry (Bancroft, Rose, Orndorff) A.M.
- Wann, Frank Burkett, A.B. (Wabash) 1914, Warsaw, Ind.
Botany (Physiology of the Algae), Plant Cytology, Biochemistry (Schramm, Sharp, Summer) Ph.D.

- Watkins, Myron Webster, A.B. (Michigan) 1914, Milford, Mich.
Economic Theory, History of Philosophy, Political Science (Young, Creighton, Orth) Ph.D.
- Weeks, Paul Thorne, B.A. (Oberlin) 1913, Kipton, O.
Experimental Physics, Theoretical Physics, Applied Electricity (Nichols, Merritt, Bedell) Ph.D.
- †† Weissman, Sarah Lalla, B.S. 1915, Ithaca
Insect Ecology, Dairy Bacteriology (Needham, Stocking) M.S. in Agr.
- Wendelken, Gerd Miller, B.A. (Marietta) 1911, Marietta, O.
Systematic Entomology, Economic Entomology, Insect Morphology (Bradley, Herrick, Riley) Ph.D.
- Wentz, John Budd, B.S.A. (N. Dak. Agr.) 1913, Chariton, Ia.
Farm Crops, Plant Breeding (Montgomery, Love) M.S. in Agr.
- Wheeler, Mary W., B.S. 1912, Deposit
Bacteriology (Dairy), Sanitary Chemistry (Stocking, Chamot) A.M.
- Whitney, Cass Ward, B.S. 1913, Ithaca
Pomology, Plant Breeding (Chandler, Gilbert) M.S. in Agr.
- White, Earl Archibald, B.S. (Illinois) 1908; M.S. (Wisconsin) 1913, Antioch, Ill.
Rural Engineering, Mechanical Engineering, Mathematics (Riley, Ellenwood, Sharpe) Ph.D.
- White, Ward Benjamin, A.B. 1908, Ithaca
Agricultural Chemistry, Sanitary Chemistry, Bacteriology (Cavanaugh, Chamot, Moore) Ph.D.
- Wiggans, Inez Louise, A.B. (Smith) 1901; A.M. (Cornell) 1907, Warsaw, N. J.
Victorian Literature, German Literature of the 19th Century, Elizabethan Literature (Northup, Faust, Sampson) Ph.D.
- Wiggans, Roy Glen, B.S. (Missouri) 1914; M.S. (Cornell) 1915, Columbia, Mo.
Farm Crops, Plant Breeding, Plant Physiology (Montgomery, Knudson, Love) Ph.D.
- Wigsten, Ellen C., A.B. (Elmira) 1915, Elmira
English, Spanish (Northup, Keniston) A.M.
- Willcox, Harry J., A.B. 1915; A.M. 1915, Ithaca
American Literature, English Drama, French Literature (Prescott, Sampson, Mason) Ph.D.
- Willis, Elias Root Beadle, A.B. (Penn.) 1901; A.M. (Cornell) 1914, Washington, D. C.
Latin, Greek, Greek Archaeology (Bennett, Bristol, Andrews) Ph.D.
- Wilson, Benjamin Dunbar, B.S. (Kentucky State) 1909; M.S. (same) 1914, Lexington, Ky.
Soil Technology, Physical Chemistry, Bacteriology (Lyon, Briggs, Stocking) Ph.D.
- †Wing, Leon Walton, Jr., B.S. (Missouri) 1915, Joplin, Mo.
[Adviser: Savage, Stocking]
- Wolcott, Henry Newton, B.S. (Pomona) 1914, Tombstone, Ariz.
Economic Geology, Mineralogy and Petrography (Ries, Gill) A.M.
- Wolferz, Louis Ernest, A.B. (Columbia) 1908, Brooklyn
German Philology, German Literature, French (Pope, Faust, Comfort) Ph.D.
- Woods, William Colcord, B.A. (Wesleyan) 1913, Orono, Me.
Morphological Entomology, Economic Morphology, Pathology and Bacteriology (Riley, Herrick, Moore) Ph.D.
- Woodworth, Harry Clark, B.S. (Illinois) 1909, Mankato, Minn.
Farm Management, Rural Economy (Warren, Lauman) M.S. in Agr.
- †Woodworth, Martha Wiecking, A.B. (Minnesota) 1914, Mankato, Minn.
[Adviser: Van Rensselaer]
- Wooten, Harry Ray, A.B. (Pittsburgh) 1911, Oakdale, Pa.
Mathematics, Physics (Tanner, Blaker) A.M.
- Woolf, Henry Solomon, B.Sc. Agr. (Illinois) 1915, Potchefstroom, Transvaal, S. Africa
Rural Economics, Farm Crops (Lauman, Montgomery) M.S. in Agr.
- Working, Holbrook, A.B. (Denver) 1915, Takoma Park, D. C.
Economic Theory, Rural Economy, Economic History (Young, Lauman, Hull, Usher) Ph.D.
- †Worthen, Louise Wilcox, B.S. (Smith) 1901, Hanover, N. H.
[Adviser: Lauman]
- †Wright, Lewis H., D.V.M. 1914, Ithaca
[Advisers: Udall, Pickens]
- Wright, William Harmon, B.S. (Purdue) 1908; M.S. (Wisconsin) 1909, Madison, Wis.
Dairy Industry, Bacteriology and Pathology, Plant Physiology (Stocking, Moore, Knudson) Ph.D.
- Yih, Charles Robert, A.B. (Soochow) 1914; B.S. (same) 1915, Soochow, China
Insect Morphology, Limnology (Riley, Needham) A.M.
- Zinssmeister, Carl Luther, B.S. 1914, Brooklyn
Botany, Plant Pathology, Organic Chemistry (Rowlee, Whetzel, Orndorff) Ph.D.

STUDENTS REGISTERED FOR GRADUATE WORK DURING THE SUMMER OF 1915

Agard, Bertha, A.B. 1910, Elizabethan Drama, American Literature (Sampson, Prescott)	Trumansburg A.M.
Allen, Margaret M., A.B. 1906, German Literature, French Literature (Boesche, Mason)	Interlaken A.M.
Banner, Erford Lynn, B.S. 1915, Poultry Husbandry (Incubation), Embryology (Rice)	Bainbridge
Banta, Luther, B.S. 1915, Poultry Husbandry, Animal Husbandry (Rice, Savage)	Amsterdam M.S. in Agr.
Bargar, Mary Alice, A.B. (Syracuse) 1910, Latin, Spanish (Durham, Keniston)	Jamestown A.M.
Bath, Anna Mabel, B.A. (Adelphi) 1914, American History (Bretz)	New Brighton A.M.
Beaumont, Arthur Bishop, B.S. (State U. of Kentucky) 1908, Soil Technology, Physical Chemistry, Plant Physiology (Bizzell, Briggs, Knudson)	Monmouth, Ore. Ph.D.
Behnken, Henry Emile, A.B. 1904; A.M. 1912, Physics, Analytical Chemistry, Physical Chemistry (Richtmyer, Lundell, Bancroft)	Brooklyn Ph.D.
Blank, Margaret E., B.A. (Adelphi) 1914, American History (Bretz)	Brooklyn A.M.
Blumgarten, Sara Lilian, A.B. (Barnard) 1912, German Literature, German Philology (Davidsen, Boesche)	New York City A.M.
Boshnakian, Sarkis, B.S. in Agr. (Wisconsin) 1914, M.S. in Agr. (Cornell) 1915, Plant Breeding, Plant Physiology, Floriculture (Love, Knudson, White)	Madison, Wis. Ph.D.
Braun, Harry, B.S. 1915, Plant Pathology (Reddick)	New York City Ph.D.
Bridgman, J. Allington, B.Chem. 1914, Inorganic Chemistry, Physical Chemistry, Sanitary Chemistry (Dennis, Briggs, Chamot)	Ithaca Ph.D.
du Buisson, Johannes Petrus, A.B. (U. of Illinois) 1913; M.S.A. (same) 1914, Soil Technology, Plant Physiology, Plant Breeding (Lyon, Knudson, Love)	Senekal, S. A. Ph.D.
†Bussell, Frank Pores, A.B. (Colgate) 1901, [Advisers: Eames, Barker]	Ithaca
Carrick, Carey Walton, A.B. (Wake Forest) 1915, Poultry Husbandry, Floriculture (Rice, White)	High Point, N. C. M.S.
Carrick, Doak Bain, A.B. (Wake Forest) 1910, Pomology, Plant Breeding, Floriculture (Chandler, Gilbert, White)	High Point, N. C. Ph.D.
Carruth, Frank Everett, A.B. (Wesleyan) 1909, Organic Chemistry, Analytical Chemistry, Agricultural Chemistry (Orndorff, Lundell, Cavanaugh)	Ithaca Ph.D.
Chapman, Royal Norton, B.A. (Univ. of Minnesota) 1914; M.A. (same) 1915, Entomology, Zoology (Needham, Riley, Reed)	St. Paul, Minn. Ph.D.
Charles, Thomas Burr, B.S. 1915, Poultry Husbandry, Farm Management (Rice, Livermore)	Ithaca M.S. in Agr.
Chupp, Charles, A.B. (Wabash) 1913, Plant Pathology, Plant Physiology, Plant Breeding (Whetzel, Gilbert, Knudson)	Edinburg, Ind. Ph.D.
Claassen, Peter Walter, A.B. (Kansas) 1913; A.M. (same) 1915, Biology, Morphology of Insects, Economic Entomology (Needham, Riley, Herrick)	Lawrence, Kan. Ph.D.
Clauser, Herbert C., B.S. (Albright) 1912, Agricultural Chemistry, Animal Husbandry (Cavanaugh, Savage)	Reading, Pa. A.M.
Cooper, Ellis Bush, B.Chem. 1913, Physical Chemistry, Organic Chemistry, Sanitary Chemistry (Bancroft, Orndorff, Chamot)	Ithaca Ph.D.
Cotton, Richard Thomas, B.S. 1914, Economic Entomology, Insect Morphology (Matheson, Riley)	Ithaca M.S. in Agr.
Coutant, Albert Francis, B. S. 1913; A.M. 1914, Pathology, Parasitology (Entomology), Entomology (Ewing, Riley, Johannsen)	Ithaca Ph.D.
Craugh, Joseph P., A.B. (Holy Cross College) 1914, Latin, German (Durham, Davidsen)	Penn Yan A.M.
Dadisman, Samuel Houston, B.S. in Agr. (West Virginia) 1912, Rural Education, Rural Economics (Works, Lauman)	Grafton, W. Va. M.S. in Agr.
Dann, Archie Byron, B.S. 1914, Animal Husbandry, Poultry Husbandry (Savage, Rice)	Ithaca M.S. in Agr.
Dean, Elizabeth, B.A., (Wellesley), 1913, Botany, Landscape Art (Wiegand, Curtis)	Falmouth, Mass. A.M.
De Mott, Henry Vroom, B.S. 1915, Pomology, Botany (Chandler, Wiegand)	Metuchen, N. J. M.S. in Agr.
Dickson, Bertram Thomas, B.A. (Queen's Univ.) 1915, Plant Pathology, Plant Physiology, Plant Breeding (Whetzel, Knudson, Love)	Brantford, Ont. Ph.D.
Douglas, Gertrude Elizabeth, A.B. (Smith) 1904; A.M. (Cornell) 1907, Mycology, Plant Histology, Plant Physiology (Atkinson, Wiegand, Knudson)	Gardner, Mass. Ph.D.
Dynes, Oliver Wesley, B.S. (N. Dak. Agr.) 1907; M.S. (Cornell) 1912, Farm Crops, Plant Breeding, Soils (Montgomery, Love, Bizzell)	Fargo, N. D. Ph.D.
Ellenberger, Howard Bowman, B.S.A. (Iowa State) 1905; M.S. in Agr. (Cornell) 1915, Dairy Industry, Agric. Chemistry, Bacteriology (Fisk, Cross, Stocking)	Ithaca Ph.D.
Elley, Harold Walter, B.Sc. (U. of Neb.) 1912; M.A. (same) 1913, Inorganic Chemistry, Physical Chemistry, Economic Geology (Browne, Bancroft, Ries)	Madison, Neb. Ph.D.

- Engelder, Carl John, A.B. 1913; B.Chem. 1914, Ithaca
Physical Chemistry, Inorganic Chemistry, Economic Geology (Bancroft, Browne, Ries) Ph.D.
- Fehr, William Henry, A.B. (Muhlenberg) 1897, Dushore, Pa.
Philosophy, German (Wright, Boesche) A.M.
- Fielding, Franklin Roderick, B.S. 1915, New York City
Silviculture, Mensuration (Spring, Bentley) M.F.
- Fisher, Mary Jones, A.B. (Cornell) 1906, Denton, Md.
Botany, Zoology (Wiegand, Reed) A.M.
- †Flansburgh, Earl Alvah, B.S. 1915, Ithaca
[Adviser: Works]
- †Forbush, Wallace Clifford, B.Sc. (Mass. Agr. College) 1913, Rutland, Mass.
[Adviser: Savage]
- Foresman, Edwin Clyde, A.B. (La Fayette) 1911, Lawrenceville, N. J.
English History, — (Lunt, Bretz) A.M.
- Fox, Daniel Scott, B.S. 1913, Prattsburg
Farm Management, Soils, Cost Accounting (Warren, Bizzell, Livermore) Ph.D.
- †Francis, Irwin Torrance, A.B. 1912, Ithaca
[Adviser: Works]
- Fraser, Allan Cameron, B.S. 1913, Buffalo
Plant Breeding, Botany, Floriculture (Gilbert, Wiegand, Beal) Ph.D.
- Freda, Francis Joseph, B.S. 1915, Calicoon
Economic Entomology, Botany (Herrick, Eames) M.S. in Agr.
- Freed, John Melvin, B.A. (Muhlenberg College) 1915, Perkasio, Pa.
Economic Entomology, Plant Pathology, Botany (Taxonomy) (Herrick, Reddick, Wiegand) Ph.D.
- Friedman, William Frederick, B.S. 1914, Pittsburgh, Pa.
Plant Breeding, Plant Physiology, Organic Chemistry (Gilbert, Knudson, Orndorff) Ph.D.
- Frost, Stuart Ward, B.S. 1915, Tarrytown
Entomology, Zoology (Matheson, Wright) M.S. in Agr.
- Gardiner, Henry Wallace, A.B. (Michigan) 1912, Washington, D. C.
American History, Education (Bretz, Fraser) A.M.
- Goodrich, Joseph Ezra, B.S. (New Hampshire State) 1904, Brunswick, Me.
Animal Husbandry, Dairying (Savage, Stocking) Ph.D.
- Goodsell, Marguerite, B.A. (Smith) 1908, East Orange, N. J.
French, German (Mason, Boesche) A.M.
- Graham, Samuel Alexander, B.S. in For. (U. of Minn.) 1914, Minneapolis, Minn.
Economic Entomology, Silviculture (Herrick, Spring) M.F.
- Guise, Cedric Hay, B.S. 1914, Findley, O.
Forest Management, Silviculture (Recknagel, Spring) M.F.
- Gutsell, James Squier, A.B. 1911, Ithaca
Agriculture, Limnology (Embrey, Needham) M.A.
- Haman, Miles Bertine, B.S. 1915, Reading, Pa.
Silviculture, Dendrology (Spring, Bentley) M.F.
- Hancy, Anna Jane, A.B. 1912, Hayts Corners
Systematic Botany, Pomology (Wiegand) A.M.
- Hardenburg, Earle Volcart, B.S. 1912, Brocton
Farm Crops, Plant Breeding, Farm Management (Montgomery, Myers, Warren) Ph.D.
- Harvey, Lew E., B.S. 1914, Marathon
Farm Management, Poultry Husbandry, Political Science (Livermore, Rice, Willcox) Ph.D.
- Harvey, Roy Newman, B.S. 1914, Towanda
Poultry Husbandry, Bacteriology (Rice, Stocking) M.S. in Agr.
- Hatch, Duane Spencer, B.S. 1915, Greenwich
Rural Economy, Rural Education, Sociology (Lauman, Works, Willcox) M.S. in Agr.
- Hawley, Ira Myron, B.A. (Univ. of Mich.) 1909, Canandaigua
Economic Entomology, Systematic Entomology, Zoology (Herrick, Bradley, Wright) Ph.D.
- Heinicke, Arthur John, B.S. in Agr. (U. of Missouri) 1913; M.A. (same) 1914, Ithaca
Pomology, Plant Physiology, Botany (Chandler, Knudson, Wiegand) Ph.D.
- Hendricks, Harold Davis, A.B. (Wabash) 1914, Jamestown, Ind.
Plant Pathology, Plant Physiology, Organic Chemistry (Reddick, Knudson, Orndorff) Ph.D.
- Heuser, Gustave Frederick, B.S. 1915, Buffalo
Poultry Husbandry, Rural Education (Rice, Works) M.S. in Agr.
- Hill, Reuben Lorenzo, B.S. (Utah Agr. 1912), Springville, Utah
Experimental Physiology, Biochemistry, Animal Husbandry (Simpson, Sumner, Wing) Ph.D.
- Hockheimer, Rita, A.B. (Barnard) 1909, New York City
German Literature, German Philology (Davidsen, Boesche) A.M.
- Hopkins, Edwin Fraser, B.S. 1915, Buffalo
Plant Pathology, Plant Physiology, Physical Chemistry (Whetzel, Knudson, Briggs) Ph.D.
- Hottes, Alfred Carl, B.S. 1913; M.S. in Agr. 1914, Ithaca
Floriculture, Plant Breeding, Botany (Beal, Gilbert, Rowlee) Ph.D.
- Hughes, Ruby Beatrice, B.A. (Western College) 1911, Gurner, Ill.
Limnology, Taxonomic and Ecological Botany (Needham, Wiegand) A.M.
- †Jenks, Leon E., B.S. (Hamilton) 1905; M.S. (same) 1908, Ithaca
[Adviser: Browne]
- Jennings, David Stout, B.S. (Utah Agric.) 1912, Hinckley, Utah
Soils, Physiography, Physical Chemistry (Bizzell, von Engeln, Briggs) Ph.D.
- Kenerson, Albert Scott, B.S. 1915, Buffalo
Plant Breeding, Vegetable Gardening (Barker, White) M.S. in Agr.
- Kennedy, John Joseph, B.Chem. 1913, Ithaca
Organic Chemistry, Analytical Chemistry, Sanitary Chemistry (Orndorff, Lundell, Chamot) Ph.D.

- King, Don Lawrence, A.B. (Dartmouth) 1913, Boston, Mass.
German, French (Davidsen, Mason) A.M.
- Kirkpatrick, Ellis L., B.S.A. (Iowa State) 1914, South English, Iowa
Farm Management, Vegetable Gardening (Thompson, Warren, White) M.S. in Agr.
- Knight, Harry Hazelton, B.S. 1914, Ithaca
Economic Entomology, Insect Ecology, Limnology (Herrick, Johannsen, Needham) Ph.D.
- Knowlton, Harry E., B.S. (Mich. Agr. College) 1912, Fennville, Mich.
Plant Breeding, Plant Physiology, Pomology (Gilbert, Knudson, Chandler) M.S. in Agr.
- Koch, Catharine Elizabeth, B.S. (Mich. Agr. College) 1909, Buffalo
Biology, Landscape Gardening (Needham, Davis) A.M.
- Koller, Joseph Peter, B.Chem. 1912, Ithaca
Physical Chemistry, Organic Chemistry, Inorganic Chemistry (Bancroft, Orndorff, Dennis) Ph.D.
- Kyser, Kathryn Belle, A.B. 1907; M.A. 1908, Canastota
Stratigraphic Geology, Physiography and Paleontology, Mineralogy (Harris, Gill) Ph.D.
- Lackie, Harry M., B.S. in Agr. (Iowa State) 1915, Bradford, Ill.
Poultry Husbandry, Rural Education (Rice, Works) A.M.
- Lake, Dyer Barker, B.S. (Syracuse) 1909; M.S. (same) 1910, White Creek
Physical Chemistry, Organic Chemistry, Sanitary Chemistry (Bancroft, Orndorff, Chamot) Ph.D.
- Lanneau, Louise Cox, B.A. (Meredith) 1908, Wake Forest, N. C.
Sanitary Chemistry, Analytical Chemistry (Chamot, Lundell) A.M.
- Lawitzen, John Irwin, B.S. (Utah Agr. College) 1913, Moroni, Utah
Plant Physiology, Plant Pathology (Knudson, Reddick, Bancroft) Ph.D.
- Leathers, Adelbert L., Ph.B., (Wesleyan) 1907, S. Orrington, Me.
Limnology, Insect Ecology, General Zoology (Needham, Johannsen, Reed) Ph.D.
- Leith, Benjamin Donald, B.S. (Univ. of Wis.) 1911, Madison, Wis.
Plant Breeding, Farm Crops (Love, Montgomery) M.S. in Agr.
- Leonard, Mortimer D., B.S. 1913, Ridgewood, N. J.
Economic Entomology, Systematic Entomology, Plant Pathology (Crosby, Bradley, Reddick) Ph.D.
- Lobdell, Richard Nugent, B.S. (Miss. A. & M.) 1910; M.S. (same) 1912, Rosedale, Miss.
Limnology, Zoology, Botany (Embrey, Reed, Wiegand) Ph.D.
- Lockhart, Lizzie Marion, A.B. (Vassar) 1896, Mt. Vernon
Modern European History, American History (Sill, Bretz) A.M.
- Loewe, Leon, A.B. 1915, Brooklyn
Physiological Chemistry, Histology, Pathology (Benedict, Gudernatsch, Ewing) Ph.D.
- McAllister, Nellie C., A.B. 1912, Ithaca
Biology, Botany (Needham, Wiegand) A.M.
- McCorkle, Walker Ellsworth, Ph.B. (Ohio University) 1911; M.S. (same) 1912, Dawson, O.
Anatomy, Physiology, Histology and Embryology (Kerr, Simpson, Kingsbury) Ph.D.
- MacDaniels, Lawrence Howland, A.B. (Oberlin) 1912, Oberlin, O.
Pomology, Plant Pathology, Entomology (Chandler, Reddick, Herrick) Ph.D.
- MacIntire, Walter Hoge, M.S. (Penn. State) 1909, Knoxville, Tenn.
Soil Technology, Physical Chemistry, Physical Geography (Bizzell, Briggs, von Engeln) Ph.D.
- Mack, Edward Lawrence, B.S. (Union) 1912, Vergennes, Vt.
Physical Chemistry, Sanitary Chemistry, Analytical Chemistry (Bancroft, Chamot, Lundell) Ph.D.
- Maloy, Thomas P., B.S. 1915, Rochester
Silviculture, Utilization of Wood Products (Spring, Recknagel) M.F.
- Mank, Helen Gardiner, A.B. (Mt. Holyoke) 1909, Lawrence, Mass.
Human Physiology, Botany, Systematic Botany (Simpson, Wiegand, Rowlee) A.M.
- Marks, Ruth Gladys, A.B. (Hunter College) 1913, New York City
German Literature, German Language (Davidsen, Boesche) A.M.
- March, Lora Almira, Ph.B. (Hilldale College) 1899, Keuka Park
German, French (Davidsen, Mason) A.M.
- Meade, De Voe, B.S. (Penn. State) 1911, Ithaca
Farm Management, Animal Husbandry (Warren, Wing) M.S. in Agr.
- Merrill, Bertha Alice, B.S. (Smith) 1899, Lawrence, Mass.
French Literature, Spanish Literature (Mason, Comfort) A.M.
- Merrill, Grace Evelyn, B.S. (Smith) 1902, Lawrence, Mass.
Spanish, French (Keniston, Mason) A.M.
- †Merrill, Robert Dietz, B.S. 1915, Schoharie
[Adviser: Works]
- Merson, Mrs. Frankie L. G., A.B. (Keuka College) 1904, Keuka Park
Latin, Greek (Durham, Bristol) A.M.
- Millen, Frederic Hartwell, B.S. 1915, Ithaca
Silviculture, Forest Engineering (Spring, Bentley) M.F.
- Millen, Mabel Gertrude Beckley, B.S. 1915, Ithaca
Silviculture, Forest Utilization (Spring, Recknagel) M.F.
- Misner, Edward Gardner, B.S. 1913, Dairyland
Farm Management, Animal Husbandry (Warren, Wing) M.S. in Agr.
- von der Meulen, Peter Andrew, B.Chem. 1913, Dunkirk
Inorganic Chemistry, Organic Chemistry, Mineralogy (Dennis, Orndorff, Gill) Ph.D.
- Musgrave, George Wallace, B.S. 1915, Scranton, Pa.
Farm Management, Soil Technology (Livermore, Lyon) M.S. in Agr.
- Myers, William Irving, B.S. 1914, Ithaca
Farm Management, Animal Husbandry, Political Science (Thompson, Livermore, Wing, Willcox) Ph.D.

- Nanz, Ralph Simpson, B.S. in Agr. 1912, Ithaca
Plant Physiology, Limnology (Knudson, Needham) M.S. in Agr.
- Nicholas, Helen Grace, A.B. 1914, Philadelphia, Pa.
German, —, (Davidsen, Boesche) A.M.
- Noyes, Alice Ayr, B.A., (Mt. Holyoke) 1907; A.M. (Cornell) 1913, Haverhill, Mass.
Limnology, Morphology of Insects, Zoology (Needham, Riley, Reed) Ph.D.
- Oagley, Edith Brooke, Ph.B. (Syracuse) 1910, Norwich
American History, English History (Bretz, Lunt) A.M.
- Otten, Henry Süder, A.B. 1910, Jamaica
German Literature, German Philology (Faust, Pope) A.M.
- Overholser, Earle Long, B.S. in Agr. (U. of Missouri) 1913; M.A. (same) 1914, Harrisonville, Mo.
Pomology, Botany, Plant Physiology (Chandler, Wiegand, Knudson) Ph.D.
- Peacock, Walter Miller, B.S. 1913, Bridgeton, N. J.
Farm Crops, Farm Management, Plant Breeding (Montgomery, Warren, Emerson) Ph.D.
- Perry, Arthur Cecil Fox, C.E. (Columbia) 1908, New Brighton, S. I.
Economic Entomology, Systematic Entomology, Plant Pathology (Herrick, Bradley, Reddick) Ph.D.
- Pfaff, Gladys Barbara, A.B. (Smith) Bangor, Me.
German Literature, German Philology (Davidsen, Boesche) A.M.
- †Phillips, Cyrus Grammer, A.B. (Nebraska State Univ.) 1912, Moore's Hill, Ind.
[Adviser: Lauman]
- Ping, Chih, B.S. in Agr. 1913, Kai Feng, Ho Nau, China
Biology, Botany (Taxonomy), Vertebrate Zoology (Needham, Wiegand, Reed) Ph.D.
- Pollock, Curtis Halstead, A.B. (Fargo College), 1912, B.S. in Ag. (N. Dak. Agr. College) 1914, Fargo, N. D.
Plant Breeding, Farm Crops (Myers, Montgomery) M.S. in Agr.
- Rand, Harriet Clark, A.B. (Bates) 1908, Brooklyn
Elizabethan Drama, Mathematics (Sampson, Snyder) A.M.
- Rasmussen, Andrew Theodore, A.B. (Brigham Young) 1909, Provo, Utah
Physiology, Histology, Anatomy (Simpson, Kingsbury, Kerr) Ph.D.
- Reidy, Margaret Mary, A.B. 1908, Ithaca
Botany, Entomology (Wiegand, Needham) A.M.
- Richmond, Edward Avery, B.S. (Dartmouth) 1912, Brockton, Mass.
Limnology, Insect Morphology, Systematic Entomology (Needham, Riley, Bradley) Ph.D.
- Ries, Victor H., B.S. 1915, Ithaca
Floriculture, Plant Breeding (White, Emerson) M.S. in Agr.
- Ryder, Alice Teuney, A.B. (Mt. Holyoke) 1904, Stanford, Conn.
Latin, English Literature (Durham, Sampson) A.M.
- Seulke, Karl John, B.S. (Purdue) 1913; M.S. (Penn. State) 1914, Ithaca
Animal Husbandry, Animal Nutrition, Market Poultry (Wing, Savage, Benjamin) Ph.D.
- Shepard, Clara Louise, Ph.B. (Syracuse Univ.) 1908, Lyons Falls
English Literature (Gilbert) A.M.
- Smith, Roger Cletus, A.B. (Miami) 1911; A.M. (Ohio State) 1915, Ithaca
Entomology, Ornithology (Needham, Allen) Ph.D.
- Spamer, George Adam, B.S. in Agr. 1915, Brooklyn
Silviculture, Mensuration (Spring, Bentley) M.F.
- St. John, Emily Porter, A.B. (Elmira) 1890, Brooklyn
Social and Political Ethics, Economics (Wright, Turner) A.M.
- Thomas, Cecil Calvert, A.B. (Wabash) 1912; M.A. (same) 1913, Ithaca
Botany (Histology), Plant Pathology, Plant Breeding (Wiegand, Reddick, Gilbert) Ph.D.
- Thompson, John Graham, B.Chem. 1915, Eau Claire, Wis.
Electrochemistry, Analytical Chemistry, Sanitary Chemistry (Bancroft, Lundell, Chamot) Ph.D.
- †Thurston, Arthur Searle, B.S. (Mass. Agr. College) 1914, Amherst, Mass.
[Adviser: Curtis]
- Triester, Bertha, A.B. (Western Reserve) 1910, Cleveland, Ohio
Spanish, German (Keniston, Boesche) A.M.
- Vick, Harry Elias, B.S. (Bethel College) 1905; M.S. (same) 1906, Louisville, Ky.
Limnology, Insect Morphology, Agriculture (Needham, Riley, Embury) Ph.D.
- Weitman, Elizabeth, A.B. (Hunter College) 1913, Brooklyn
German Literature, German Language (Davidsen, Boesche) A.M.
- †Whippen, Charles Warren, B.Sc. (Mass. Agr.) 1914, Lynn, Mass.
[Adviser: Savage]
- White, Earl Archibald, B.S. (U. of Illinois) 1908; M.S. (U. of Wisconsin) 1913, Antioch, Ill.
Rural Engineering, Mechanical Engineering, Mathematics (H. W. Riley, Ellenwood, Sharpe) Ph.D.
- Wiestling, Helen Merwin, A.B. (West Va. Univ.) 1911, Wheeling, W. Va.
German Literature, German Philology (Davidsen, Boesche) A.M.
- Wiggins, Roy Glen, B.S. in Agr. (Missouri) 1912, Columbia, Mo.
Farm Crops, Plant Breeding (Montgomery, Love) M.S. in Agr.
- Woolf, Henry Solomon, B.Sc. Agr. (Univ. of Illinois) 1915, Potchefstroom, Transvaal, S. Africa
Rural Economics, Farm Crops (Lauman, Montgomery) M.S. in Agr.
- Wynne, Annette, B.S. (New York Univ.) 1915, Brooklyn
English Prosody, Victorian Literature (Sampson, Bailey) A.M.

COLLEGE OF ARTS AND SCIENCES

FACULTY

- JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President of the University.
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ERNEST TROWBRIDGE PAINE, A.B., A.M., Secretary of the College.
CHARLES MELLEN TYLER, A.B., A.M., D.D., Professor of the History and Philosophy of Religion, and of Christian Ethics, Emeritus.
JAMES MORGAN HART, A.B., A.M., J.U.D., Litt.D., Professor of the English Language and Literatures, Emeritus.
SIMON HENRY GAGE, B.S., Professor of Histology and Embryology, Emeritus.
BURT GREEN WILDER, B.S., M.D., Professor of Neurology and Vertebrate Zoology, Emeritus.
THOMAS FREDERICK CRANE, A.B., A.M., Ph.D., Litt.D., Professor of the Romance Languages and Literatures, Emeritus.
JOHN HENRY COMSTOCK, B.S., Professor of Entomology and General Invertebrate Zoology, Emeritus.
WATERMAN THOMAS HEWETT, A.B., Ph.D., Professor of the German Language and Literature, Emeritus.
EDWARD LEAMINGTON NICHOLS, B.S., Ph.D., LL.D., Professor of Physics. (Sabbatic leave.)
GEORGE LINCOLN BURR, A.B., LL.D., Litt.D., Professor of Medieval History.
CHARLES EDWIN BENNETT, A.B., Litt.D., Goldwin Smith Professor of Latin.
JAMES EDWIN CREIGHTON, A.B., Ph.D., LL.D., Sage Professor of Logic and Metaphysics, and Dean of the Graduate School.
EDWARD BRADFORD TITCHENER, A.B., A.M., Ph.D., LL.D., Litt.D., Lecturer in Psychology and Head of the Department.
GEORGE FRANCIS ATKINSON, Ph.B., Professor of Botany.
NATHANIEL SCHMIDT, A.M., Professor of Semitic Languages and Literatures.
GEORGE PRENTICE BRISTOL, A.B., A.M., Professor of Greek and Head of the Department, Director of the School of Education and of the Summer Session.
WALTER FRANCIS WILLCOX, A.B., LL.B., A.M., Ph.D., LL.D., Professor of Economics and Statistics.
CHARLES DE GARMO, Ph.D., Professor of the Science and Art of Education, Emeritus.
LOUIS MONROE DENNIS, Ph.B., B.S., Professor of Inorganic Chemistry, and Head of the Department of Chemistry.
JOSEPH ELLIS TREVOR, Ph.D., Professor of Thermodynamics.
CHARLES HENRY HULL, Ph.B., Ph.D., Goldwin Smith Professor of American History.
WILLIAM RIDGELY ORNDORFF, A.B., Ph.D., Professor of Organic and Physiological Chemistry.
WILDER DWIGHT BANCROFT, A.B., Ph.D., Professor of Physical Chemistry.
ERNEST GEORGE MERRITT, M.E., Professor of Physics.
HENRY SHALER WILLIAMS, Ph.B., Ph.D., Professor of Geology, Emeritus.
CHARLES VAN PATTEN YOUNG, A.B., Professor of Physical Culture.
JAMES MCMAHON, A.M., Professor of Mathematics.
JOHN HENRY TANNER, Ph.D., Professor of Mathematics.

- FREDERICK BEDELL, A.B., Ph.D., Professor of Applied Electricity.
- WILLARD WINFIELD ROWLEE, B.L., D.Sc., Professor of Botany.
- HEINRICH RIES, Ph.B., A.M., Ph.D., Professor of Geology and Head of the Department.
- WILLIAM ALEXANDER HAMMOND, B.A., A.M., Ph.D., Sage Professor of Ancient Philosophy and of Aesthetics.
- ERNEST ALBEE, A.B., Ph.D., Professor of Philosophy.
- JOHN SANDFORD SHEARER, Ph.D., Professor of Physics.
- HOLLIS ELLSWORTH DANN, Mus.D., Professor of Music.
- MARTIN WRIGHT SAMPSON, B.A., M.A., Goldwin Smith Professor of English Literature and Head of the Department.
- BENJAMIN FREEMAN KINGSBURY, A.B., M.S., Ph.D., M.D., Professor of Histology and Embryology.
- SUTHERLAND SIMPSON, D.Sc., M.D., F.R.S.E., Professor of Physiology. (Absent.)
- WILLIAM WISTAR COMFORT, A.B., A.M., Ph.D., Professor of the Romance Languages and Literatures and Head of the Department.
- WILLIAM STRUNK, Jr., A.B., Ph.D., Professor of English.
- HENRY AUGUSTUS SILL, A.B., A.M., Ph.D., Professor of Ancient History.
- GEORGE WALTER CAVANAUGH, B.S., Professor of Chemistry in Its Relations to Agriculture.
- GILBERT DENNISON HARRIS, Ph.B., Professor of Paleontology and Stratigraphic Geology.
- HERBERT CHARLES ELMER, A.B., Ph.D., Professor of Latin.
- CHARLES LOVE DURHAM, M.A., Ph.D., Professor of Latin.
- JOHN IRWIN HUTCHINSON, A.B., Ph.D., Professor of Mathematics.
- VIRGIL SNYDER, B.S., A.M., Ph.D., Professor of Mathematics.
- ALBERT BERNHARDT FAUST, A.B., Ph.D., Professor of German and Head of the Department.
- EMILE MONNIN CHAMOT, B.S., Ph.D., Professor of Sanitary Chemistry and Toxicology.
- ARTHUR WESLEY BROWNE, B.S., M.S., Ph.D., Professor of Inorganic and Analytical Chemistry.
- ADAM CAPEN GILL, A.B., Ph.D., Professor of Mineralogy and Petrography.
- JULIAN PLEASANT BRETZ, A.B., Ph.D., Professor of American History. (Absent second term.)
- GEORGE SYLVANUS MOLER, A.B., B.M.E., Professor of Physics.
- JAMES GEORGE NEEDHAM, B.S., M.S., Ph.D., Professor of Entomology and Limnology.
- ALVIN SAUNDERS JOHNSON, A.B., A.M., Ph.D., Professor of Economics. (On leave.)
- WILLIAM ALBERT RILEY, A.B., Ph.D., Professor of Insect Morphology and Parasitology.
- WILLIAM EDWARD LUNT, Ph.D., Professor of English History.
- SAMUEL PETER ORTH, A.B., Ph.D., Professor of Political Science.
- GEORGE NIEMAN LAUMAN, B.S.A., Professor of Rural Economy.
- ALLYN ABBOTT YOUNG, Ph.B., Ph.D., Professor of Economics and Finance.
- JAMES ALBERT WINANS, A.B., A.M., LL.B., Professor of Public Speaking.
- ABRAM TUCKER KERR, B.S., M.D., Professor of Anatomy and Secretary of the Ithaca Division of the Medical College.
- GLENN WASHINGTON HERRICK, B.S.A., Professor of Economic Entomology.

- JAMES FREDERICK MASON, A.B., Ph.D., Professor of the Romance Languages.
 THOMAS SEWALL ADAMS, A.B., Ph.D., Acting Professor of Economics.
 MORITZ J. BONN, Lecturer on the Jacob H. Schiff Foundation.
 CHARLES FULLINGTON THOMPSON, 1st Lieut. 16th Infantry, Professor of Military Science and Tactics.
 FREDERICK CLARKE PRESCOTT, A.B., Assistant Professor of English.
 CLARK SUTHERLAND NORTHUP, A.B., Ph.D., Assistant Professor of English.
 ERNEST BLAKER, B.S., Ph.D., Assistant Professor of Physics.
 OTHON GOEPP GUERLAC, Licencié ès Lettres, Licencié en droit, M.A., LL.B., Assistant Professor of the Romance Languages and Literatures. (Absent.)
 PAUL RUSSEL POPE, A.B., Ph.D., Assistant Professor.
 HUGH DANIEL REED, B.S., Ph.D., Assistant Professor of Neurology and Vertebrate Zoology.
 LANE COOPER, A.B., A.M., Ph.D., Professor of the English Language and Literature.
 ORA MINER LELAND, B.S. (C.E.), Assistant Professor of Astronomy and Geodesy.
 HERMANN CHRISTIAN DAVIDSEN, Ph.D., Assistant Professor of German.
 JOSEPH QUINCY ADAMS, Jr., A.B., A.M., Ph.D., Assistant Professor of English.
 FRANCIS ROBERT SHARPE, B.A., Ph.D., Assistant Professor of Mathematics.
 WALTER BUCKINGHAM CARVER, Ph.B., Ph.D., Assistant Professor of Mathematics.
 ARTHUR RANUM, A.B., Ph.D., Assistant Professor of Mathematics.
 HORACE LEONARD JONES, A.B., A.M., Ph.D., Assistant Professor of Greek.
 ALBERT WILHELM BOESCHE, A.B., Ph.D., Professor of German.
 EUGENE PLUMB ANDREWS, A.B., Assistant Professor of Archæology.
 FLOYD KARKER RICHTMYER, A.B., Ph.D., Assistant Professor of Physics.
 DAVID CLINTON GILLESPIE, A.B., M.A., Ph.D., Assistant Professor of Mathematics.
 GEORGE LIVINGSTONE HAMILTON, A.B., A.M., Ph.D., Assistant Professor of the Romance Languages and Literatures.
 JAMES CHESTER BRADLEY, A.B., M.S., Ph.D., Assistant Professor of Systematic Entomology.
 OSCAR DIEDRICH VON ENGELN, A.B., Ph.D., Assistant Professor of Physical Geography.
 BENTON SULLIVAN MONROE, A.B., A.M., Ph.D., Assistant Professor of English.
 RASMUS S. SABY, Ph.D., Assistant Professor of Political Science.
 ROSWELL CLIFTON GIBBS, A.B., A.M., Ph.D., Assistant Professor of Physics.
 HARRY PORTER WELD, Ph.B., Ph.D., Assistant Professor of Psychology.
 OSKAR AUGUSTUS JOHANNSEN, B.S., A.M., Ph.D., Assistant Professor of Biology.
 GUSTAV ERNST FREDERICK LUNDELL, A.B., Ph.D., Assistant Professor of Chemistry.
 JOHN ROSCOE TURNER, B.S., M.S., Ph.D., Assistant Professor of Economics.
 GUY BROOKS MUCHMORE, A.B., Assistant Professor of Public Speaking.
 DAVID KENNEDY FRASER, B.Sc., M.A., Assistant Professor of Education.
 LAWRENCE PUMPELLY, A.B., Ph.D., Assistant Professor of the Romance Languages and Literature.
 RALPH HAYWARD KENISTON, A.B., A.M., Ph.D., Assistant Professor of the Romance Languages and Literature.
 ABBOTT PAYSON USHER, A.B., A.M., Ph.D., Assistant Professor of Economics.
 ROSS PETER ANDERSON, A.B., Ph.D., Assistant Professor of Chemistry.

- DONALD ENGLISH, B.S., M.B.A., Assistant Professor of Economics.
- WALLIE ABRAHAM HURWITZ, Ph.D., Assistant Professor of Mathematics.
- JAMES BATCHELLER SUMNER, Ph.D., Assistant Professor of Biochemistry in the Department of Physiology.
- THOMAS ROLAND BRIGGS, Ph.D., Assistant Professor of Physical Chemistry and Electro-Chemistry.
- JESSE HARLIAMAN COURSAULT, A.B., A.M., Ph.D., Acting Assistant Professor of History and Philosophy of Education.
- HENDRIK WILLEM VAN LOON, A.B., Ph.D., Lecturer in Modern European History.
- FRANK EDGAR MELVIN, A.B., A.M., Ph.D., Acting Assistant Professor of Modern European History.
- ROBERT ARGYLL CAMPBELL, A.B., Lecturer in Economics.
- MELVIN DRESBACH, M.S., M.D., Assistant Professor of Physiology.
- ALBERT HAZEN WRIGHT, A.B., A.M., Ph.D., Assistant Professor of Zoology.
- ARTHUR AUGUSTUS ALLEN, A.B., A.M., Ph.D., Assistant Professor of Ornithology.
- RALPH CHAPMAN RODGERS, M.E., A.M., Instructor in Physics.
- ALEXANDER M. DRUMMOND, A.B., A.M., Instructor in Public Speaking.
- CLYDE FIRMAN CRAIG, A.B., Ph.D., Instructor in Mathematics.
- FREDERICK WILLIAM OWENS, Ph.D., Instructor in Mathematics.
- JEAN MARIUS GÉLAS, Instructor in Fencing.
- ELMER JAMES BAILEY, Ph.B., Ph.M., A.M., Ph.D., Instructor in English.
- ALBERT LEROY ANDREWS, A.B., A.M., Ph.D., Instructor in German and Scandinavian.
- JOSEPH VANCE MCKELVEY, A.B., A.M., Ph.D., Instructor in Mathematics.
- LOUIS LAZARUS SILVERMAN, A.B., A.M., Ph.D., Instructor in Mathematics.
- THOMAS WHITNEY BENSON WELSH, A.B., Ph.D., Instructor in Chemistry.
- WESLEY DANIEL ZINNECKER, Ph.D., Instructor in German.
- FREDERICK MILLER SMITH, A.B., Instructor in English.
- LESLIE NATHAN BROUGHTON, A.B., A.M., Ph.D., Instructor in English.
- EDWIN CHARLES MAYER, A.B., Instructor in Physics.
- JOSEPH STANLEY HOOK, A.B., A.M., Instructor in Geology.
- DANE L. BALDWIN, A.B., M.A., Instructor in English.
- ALLAN H. GILBERT, A.B., Ph.D., Instructor in English.
- RANSOM EVARTS SOMERS, A.B., A.M., Instructor in Economic Geology.
- MELVIN GLEASON CROWELL, A.B., A.M., Instructor in English.
- GEORGE H. BROWN, A.B., A.M., Instructor in the Romance Languages.
- WILLIAM SILLIMAN FOSTER, A.B., Ph.D., Instructor in Psychology.
- ELLSWORTH DAVID ELSTON, A.B., Instructor in Geology.
- THOMAS BENJAMIN BROWN, A.B., Instructor in Physics.
- ROBERT WALDO KING, A.B., Instructor in Physics.
- WILLIAM K. WRIGHT, A.B., Ph.D., Instructor in Philosophy and Lecturer in Education.
- EDWIN GARRIGUES BORING, M.E., M.A., Ph.D., Instructor in Psychology.
- ELAM J. ANDERSON, A.B., Instructor in Public Speaking.
- SAMUEL ARTHUR MAHOOD, B.Sc., M.A., Instructor in Chemistry.
- VICTOR ELVERT MONNETT, A.B., Instructor in Geology.
- KASSON STANFORD, GIBSON, A.B., Instructor in Physics.
- HUGH McMILLAN KINGERY, B.A., M.A., Instructor in Histology and Embryology.

WILLIAM GARFIELD MALLORY, A.B., A.M., Instructor in Physics.
 RALPH A. BOWN, M.E., Instructor in Physics.
 JOHN WILLIAM HIBEL, A.B., M.A., Instructor in English.
 LEWIS HENRY BOULTER, A.B., A.M., Instructor in English.
 PETER ANDREW VANDER MEULEN, B.Chem., Instructor in Mineralogy and Petrography.
 ROBERT WILBUR BURGESS, A.B., Ph.D., Instructor in Mathematics.
 CARLETON CHASE MURDOCK, B.S., Instructor in Physics.
 ANDREW THEODORE RASMUSSEN, A.B., Instructor in Physiology.
 CHARLES ROLAND HUGINS, A.B., Instructor in Economics.
 THEODORE T. STENBERG, A.B., A.M., LL.B., Instructor in Public Speaking.
 HOWARD A. PIDGEON, B.S., M.S., Instructor in Physics.
 CHARLES LEE SWISHER, A.B., Instructor in Physics.
 PAUL THORNE WEEKS, A.B., Instructor in Physics.
 MURRAY WRIGHT BUNDY, A.B., A.M., Instructor in English.
 HERMANN BETZ, Instructor in Mathematics.
 CHARLES CLARENCE BIDWELL, A.B., Instructor in Physics.
 JAMES MCFADDEN CARPENTER, jr., A.B., A.M., Instructor in the Romance Languages and Literatures.
 HENRY KENNEDY DAVIS, A.B., Instructor in Anatomy.
 MEYER G. GABA, S.B., S.M., Ph.D., Instructor in Mathematics.
 FREDERICK RAYMOND GEORGIA, B.Chem., Instructor in Chemistry.
 FRANK E. E. GERMANN, Instructor in Physics.
 REUBEN LORENZO HILL, B.S., Ph.D., Instructor in Biochemistry.
 DONALD F. JACKSON, B.A., Instructor in the Romance Languages.
 JOHN E. JACOBY, Instructor in English.
 CLARENCE CAMERON KOCHENDERFER, A.B., A.M., Instructor in Economics.
 HENRY A. LAPPIN, A.B., Instructor in English.
 FRED HOFFMANN RHODES, A.B., Ph.D., Instructor in Chemistry.
 JOHN CHRISTOPHER SCHELLENG, A.B., Instructor in Physics.
 CONY STURGIS, A.B., Instructor in the Romance Languages.
 CLEMENT VOLLMER, A.B., Ph.D., Instructor in German.
 ROBERT MORSE WOODBURY, A.B., A.M., Ph.D., Instructor in Economics.

Assistants

ANDREW CURTIS WHITE, A.B., Ph.D., Reader in Greek.
 HALLDOR HERMANSSON, Lecturer in Scandinavian.
 PEARL GERTRUDE SHELDON, A.B., Ph.D., Paleontology.
 AXEL OLSSON, A.B., Paleontology and Stratigraphic Geology.
 ARTHUR BENNING RAY, B.A., M.A., Chemistry.
 JOHN JOSEPH KENNEDY, B.Chem., Chemistry.
 EDWARD LAWRENCE MACK, B.S., Chemistry.
 FRANCIS WEBBER SHERWOOD, B.S., Chemistry.
 HOMER GUY BISHOP, B.S., M.S., Psychology.
 MILDRED SEVERANCE, Physics.
 HAROLD WALTER ELLEY, B.Sc., M.A., Chemistry.
 CARL JOHN ENGELDER, A.B., Chem., Chemistry.
 HOWARD IRVING COLE, B.Chem., Chemistry.
 J. ALLINGTON BRIDGMAN, B.Chem., Chemistry.

CHARLES ETHAN ALLEN, A.B., Histology and Embryology.
GUSTAV J. NOBACK, Histology and Embryology.
WILLIAM KIRK, Chemistry.
JOSEPH P. KOLLER, Chemistry.
DANIEL CHAUNCEY MCCOY, Chemistry.
JULIA MOESEL, Zoology.
CARL LUTHER ZINSSMEISTER, B.S., Botany.
ALEXANDER MAXWELL HAMBURG, Economics.
JAMES D. THOMPSON, S.B., Physical Geography.
DONALD K. TRESSLER, A.B., Chemistry.
WILLIAM MALCOLM STOBBS, Anatomy.
FRANK HOWELL POLLARD, Chemistry.
ALFRED H. SWEET, A.M., English History.
WALLACE HENRY WOLCOTT, Geology.
WILLIAM AUGUSTUS ADAMSON, B.A., Chemistry.
HENRIK ANTELL, Military Science and Tactics.
AUSTIN BAILEY, Physics.
HAROLD COLEMAN BLACKBURN, Physics.
DAVID HAZEN BLAKELOCK, Military Science and Tactics.
MARK WILDER BRAY, A.B., M.S., Chemistry.
HOMER BROWNING, Military Science and Tactics.
WILLIAM FRANCIS BULL, Military Science and Tactics.
ROBERT CHAPIN CANDEE, A.B., Military Science and Tactics.
HARRY BEALIN CARNEY, Geology.
C. H. CARROLL, Biochemistry.
WILBUR FISKE CHAPMAN, A.B., Political Science.
HOWARD POST CORWITH, Military Science and Tactics.
LUDA MAY DEGNER, A.B., Zoology.
JOSEPH VITAL DE PORTE, A.B., A.M., Mathematics.
WILL A. DOUGLASS, A.B., Chemistry.
JOHN ADAMS ELDRIDGE, B.A., Physics.
ARCHIBALD MORTIMER ERSKINE, B.Chem., Chemistry.
CARL FERDINAND ESCHWEILER, Physical Culture.
PAUL DE MUND EVANS, A.B., A.M., Modern European History.
DAVID HENRY FINLEY, Military Science and Tactics.
KENYON PUTNAM FLAGG, B.S., Zoology.
ALLEN WESCOTT FORD, Chemistry.
RALEIGH GILCHRIST, A.B., Chemistry.
HAROLD THOMAS GRAY, Physical Culture.
ROBERT SQUIER GUTSELL, Histology and Embryology.
ARTHUR PAUL JACOT, Zoology.
LEON E. JENKS, B.S., M.S., Chemistry.
EDGAR BLAUVELT JOHNSON, B.Chem., Chemistry.
FRANK KOVACS, Chemistry.
DYER B. LAKE, Chemistry.
LENOX RILEY LOHR, Military Science and Tactics.
HILLIARD VINCENT MAC GOWAN, Military Science and Tactics.
HUGH MAC KENZIE, English History.

ASA MCKINNEY, Chemistry.
 WILLIAM HOWARD MAGUIRE, A.B., English History.
 GEORGE SYLVESTER MORATH, B.S., Physics.
 THOMAS LEETE NELSON, Chemistry.
 WALTER CHRISTOPHER O'CONNELL, Physical Culture.
 GEORGE MARTIN PEARSALL, M.E., Physics.
 GEORGE ROBINSON PHIPPS, Military Science and Tactics.
 JULES GABRIEL PROCTOR, A.B., Philosophy.
 CHARLES MELTON PUTNEY, Histology and Embryology.
 WALTER LEROY SAUNDERS, Military Science and Tactics.
 PAUL BERWIG SCHUMM, B.S., Medieval History.
 ALBERT RAY SHADLE, B.A., M.A., Zoology.
 FLEMING BATES SHERWOOD, B.S., M.S., Chemistry.
 E. SHEVLIN, Physical Culture.
 THEODORE LEVI SMITH, Astronomy.
 EARL IRN SPONABLE, Chemistry.
 HARVEY E. STORK, Botany.
 JOHN KENNING STOTZ, Military Science and Tactics.
 CHARLES GASNER STUPP, Chemistry.
 NORMAN WESLEY SUITER, Military Science and Tactics.
 HAROLD TAYLOR SUTCLIFFE, Military Science and Tactics.
 JOHN EDWARD SUTTON, jr., A.B., Anatomy.
 ALLEN JOB THOMAS, A.B., LL.B., Philosophy.
 JOHN GRAHAM THOMFSON, Chemistry.
 PRESCOTT WINSON TOWNSEND, Ancient History.
 JOHN MARINUS VAN HORSON, Political Science.
 SIDNEY STEVENS WALCOTT, American History.
 MYRON W. WATKINS, A.B., Political Science.
 HOLBROOK WORKING, A.B., Political Science.
 WILLIAM RAYMOND YORKEY, B.S., Physics.

Lecturers

Taft, William Howard, B.A., LL.B., LL.D., Professor of Constitutional Law in the Law Department of Yale University, Lecturer on the Goldwin Smith Foundation.
 Bonn, Moritz J., Lecturer on the Jacob H. Schiff Foundation.
 The Jacob H. Schiff Non-Resident Lectureship in German is supported from the income of the Jacob H. Schiff Endowment for the Promotion of Studies in German Culture.
 The Goldwin Smith Lectureship is supported from the income of the fund received by the University under the will of Goldwin Smith.

COLLEGE OF ARTS AND SCIENCES

For admission to the College of Arts and Sciences, see page 38; for tuition in the College of Arts and Sciences, see page 45.

Two curricula are offered in the College of Arts and Sciences, one leading to the degree of Bachelor of Arts, the other leading to the degree of Bachelor of Chemistry.

THE DEGREE OF BACHELOR OF ARTS

1. For the degree of Bachelor of Arts the student is required to complete eight terms of resident study. For the requirements in military science and tactics and in physical culture, see page 172.

To secure credit for a term of residence, a student must pass during that term at least twelve hours of work. A student failing in any given term to pass twelve hours may continue in the college only under such conditions, and at such time as the Faculty, through its Committee on Academic Records, may designate.

When a student's failure is due to ill health or to other sufficient reasons beyond his control, the term's residence may be completed either by attendance at a summer session, or by examination, or by both, but no surplus credits for work done in any other term may be used to complete the necessary twelve hours.

When the failure is due to other causes than those specified above, the term's credit is cancelled, except that a freshman who at the end of his first term has failed to pass twelve hours of work in this College, but who nevertheless is permitted to continue in the College, may be allowed until the beginning of his fourth term to make up deficiencies in courses for which he was registered during the first term.

2. In case a student has gained six hours of college credit by passing at admission the examinations set for that purpose, he may secure credit for a term of residence by attending a summer session of the University. If the college credit gained at entrance amounts to twelve hours, he will be considered as having completed one term of residence.

3. A student who has satisfied the entrance requirements of the college, and has afterwards completed in two or more Summer Sessions of the University at least twelve hours of work in approved courses, will be regarded as having thus fulfilled a term of residence. Under no circumstances will work done in Summer Sessions be accepted as the equivalent of more than two terms. Subject to certain restrictions, courses pursued in summer sessions of universities belonging to the Association of American Universities by a student regularly registered in this college or in a college of like standing, may be credited toward the degree.

4. The degree will not be conferred upon any student unless he has been in residence at Cornell University during the last two of the required eight terms.

5. No student will be recommended for the degree unless his record shows that the total amount of his completed work corresponds to an average of at least fifteen hours a term; nor unless half his work has been above the grade D. (Grade A indicates excellent work; B, superior to the average; C, average; D, inferior to the average; E, conditioned; F, failed.)

6. A student admitted to the College of Arts and Sciences from another college of Cornell University, or from any other institution of collegiate rank, will be regarded as having completed the number of terms and of hours to which his records entitle him, and will receive all the privileges of students who have completed the same number of terms and hours by residence in the college. But to obtain the degree of Bachelor of Arts he must have been in residence at least two terms in the College of Arts and Sciences and in that college only.

7. Any student who, while registered in the College of Arts and Sciences only, attends a course or courses in another college, shall not count the same as part of the twelve hours necessary to obtain credit for a term of residence.

8. Any student who has completed at least six terms or residence, no one of them under the provisions of paragraph 2, may, with the permission of the

faculties concerned, be registered both in the College of Arts and Sciences and also in any other college of Cornell University.

CHOICE OF STUDIES

10. On or before the third day of instruction a student registering in the college for the first time must file at the Dean's office his study card with list of courses for the term.

11. Two weeks before the end of each term a student must file at the Dean's office his study card with list of courses for the next term.

12. With the consent of the Dean, a student may alter his list of courses in the first term during the first six days of instruction, and in the second term during the first day of instruction.

13. Thereafter no student shall have the right to withdraw from any course in which he is registered, unless he shall previously have obtained from the Dean authorization to do so on the ground of illness or for other reasons beyond the student's control.

14. Each freshman and sophomore must confer with an underclass adviser before handing in his study card to the Dean. Advisers will be assigned by the chairman of the Committee on Underclass Advisers. The function of the adviser is to consult with the student regarding his choice of studies, to confer with him during the term regarding his work, and in general to give him such friendly counsel as he may desire.

15. Before a student may be registered as a junior he must have completed sixty hours of work, which shall include in English and history six hours, in one or more languages other than English six hours, in philosophy, psychology, and mathematics six hours, and in physics, chemistry, geology, physical geography, and the biological sciences six hours, of which hours the student is required to take at least twelve, and advised to take more, in his freshman year. Each six hours may be entirely in one division (for example, English six hours), or partly in one and partly in another (for example, English three hours and history three hours). College credit gained under paragraph 2 may not be applied in satisfaction of any of these required groups of six hours.

16. Each student shall choose at the beginning of his junior year one of the following groups. 1. Ancient Languages. 2. Modern Languages. 3. English and Public Speaking. 4. Philosophy, Psychology, and Education. 5. History and Political Science. 6. Mathematics and Astronomy. 7. Physics. 8. Chemistry. 9. Botany. 10. Zoology and Entomology. 11. Physiology, Histology, and Embryology. 12. Geology and Physical Geography.

With the sanction of his adviser and of the Dean, a student may choose, instead of one of the upper-class groups listed above, a combination of two related groups. In the group selected he must complete during his junior and senior years at least twenty hours of work. In choosing these twenty hours, the student must obtain the advice of some professor or assistant professor within the group. A senior in this college who is registered also in some other college of Cornell University is excused from ten of these twenty hours.

COURSES OPEN TO FRESHMEN WITHOUT SPECIAL PERMISSION OF THE ADMINISTRATIVE BOARD IN CHARGE OF FRESHMEN AND SOPHOMORES

Greek, 1, 2; Latin, A, B, 1, 2; Germanic Languages, 1, 2, 3, 4, 4a, 5, 5a, 7, 8, 10; Romance Languages, 1, 2, 3, 4, 4a, 5, 6, 30, 32, 40, 42; English, 1, 3; History, 1, 2, 31, 32; Bibliography, 1, 1a; Music, 1; Mathematics, 1, 2, 3, 5, 6, 7, 8; Physics, 2, 3, 4a, 4b, 10; Chemistry, 1, 6, 7, 85; General Biology, 1; Botany, 1, 2, 3, 4; Entomology, etc., 4, 5, 10; Vertebrate Zoology and Neurology, 1, 5, 6; Physiology, 3, 6; Geology, 1, 2, 11, 21.

THESES

Any senior candidate for the degree of Bachelor of Arts may arrange with the department in which he is taking his principal work to write a thesis, which, if accepted, shall entitle him to not more than three hours of credit a term.

THE DEGREE OF BACHELOR OF CHEMISTRY

The requirements for the degree of Bachelor of Chemistry are residence for eight terms and the completion of the following curriculum. For the requirements in military science and tactics and in physical culture, see page 172.

First Year

	No. of Course	First Term	Second Term
Introductory Inorganic Chemistry.....Chemistry	1	6	—
Qualitative Analysis.....Chemistry	7	6 or 0	6 or 0
Analytic Geometry, Differential Calculus, Integral Calculus .. .. .Mathematics	7	5	5
Introductory Experimental Physics... ..Physics	2	—	5
Drawing .. .Sibley College	D3	3	—
English .. .English	1	4	4

Second Year

Quantitative Analysis. ....Chemistry	12	0 or 6	6 or 0
Organic Chemistry .. .Chemistry	30	6	6
Gas Analysis .. .Chemistry	19 & 20	4 or 0	0 or 4
Introductory Physical Experiments... ..Physics	10	2	—
Physical Experiments. ....Physics	14	—	2
Crystallography .. .Geology	12	0 or 3	3 or 0
Opticochemical Methods.....Chemistry	17	—	3
Elective .. .		—	3

Third Year

Introductory Physical Chemistry.....Chemistry	50	3	3
Physical Chemistry Laboratory .. .Chemistry	51	3	3
Microchemical Methods. ....Chemistry	65	0 or 2	2 or 0
Quantitative Analysis, Lectures... ..Chemistry	15	—	2
Advanced Quantitative Analysis. ....Chemistry	14	2	2
General Physics.....Physics	9	2	—
Physical Experiments.....Physics	14	2	—
Mechanics .. .Sibley College	M5	5	—
Mechanical Laboratory .. .Sibley College	X13	—	4
Elective .. .			3

Students that wish to register in the junior year for a greater number of elective hours than the schedule demands may, with the consent of the Department, defer taking some of the required courses of the junior year.

Fourth Year

Electrical Engineering Laboratory... ..Sibley College	E 13	4	—
Seminary .. .Chemistry	95	—	1
Research .. .Chemistry	96 (at least)	4	4
Electives .. .at least		5	5

In choosing his elective subjects in the senior year the student is advised to select as his special field some one of the following six divisions of chemistry: inorganic chemistry, analytical chemistry, organic chemistry, physical chemistry, sanitary chemistry, or agricultural chemistry. While the greater part of the elective work should lie in the field thus chosen, the remainder may comprise courses in any division of chemistry, or such other courses as may be approved by the Department of Chemistry.

The provisions of paragraphs 3, 4, 6, 10, 11, 12, and 13 under "the Degree of Bachelor of Arts" apply in general to candidates for the degree of Bachelor of Chemistry. But a candidate for the latter degree may register for nineteen hours a term. To register for more than nineteen hours in any term he must secure the permission of the Department of Chemistry.

COURSES OF INSTRUCTION

For detailed information concerning the courses of instruction, the announcement of the College of Arts and Sciences should be consulted. A copy of the Announcement will be sent gratis on application to the Secretary of the University.

SEMITIC LANGUAGES AND LITERATURES

1. **Hebrew.** Throughout the year. Professor SCHMIDT. M T Th 2. Open only to juniors, seniors and graduates.
- 2a. **Arabic.** Throughout the year. Professor SCHMIDT. T Th, 9. Open only to juniors, seniors, and graduates.
- 2b. **Advanced Arabic.** Throughout the year. Prerequisite course 2a. Professor SCHMIDT. W F, 2.
3. **Ethiopic.** Throughout the year. Prerequisite courses 1, 2a. Professor SCHMIDT. T Th, 3. Primarily for graduates.
- 4a. **Assyrian.** Throughout the year. Prerequisite courses 1, 2a. Professor SCHMIDT. T Th, 4. Primarily for graduates.
- 4b. **Aramaic.** Throughout the year. Prerequisite course 1. Professor SCHMIDT. T Th, 5.
- 5a. **Egyptian.** Throughout the year. Prerequisite courses 1, 2a. Professor SCHMIDT. W, 4-6. Primarily for graduates.
- 5b. **Coptic.** Throughout the year. Prerequisite course 5a. Professor SCHMIDT. F, 4-6. Primarily for graduates.
6. **Semitic Literature.** Throughout the year. Professor SCHMIDT. M W, 3. Open to juniors, seniors, and graduates.
7. **Semitic Seminary.** Throughout the year. Prerequisite courses 1, 4b. Professor SCHMIDT. M, 4-6.
8. **Comparative Semitic Philology.** Throughout the year. Prerequisite courses 1, 2, 4b. Professor SCHMIDT. F, 3. For graduates only.
- 9a. **Oriental History.** Throughout the year. Professor SCHMIDT. T Th, 10. Introduction to the history of Asia. Open to juniors, seniors, and graduates.
- 9b. **Oriental History.** Throughout the year, credit two hours a term. Professor SCHMIDT. Introduction to the history of Africa.] Not given in 1915-1916.

GREEK

1. **Elementary Greek.** Throughout the year, credit six hours a term. Assistant Professor JONES. Daily, 8.
2. **Lysias, Selections; Homer's Odyssey.** Throughout the year. Professor BRISTOL. T Th S, 10.
- [2a. **Herodotus.** Second term, credit three hours. Assistant Professor JONES.] Not given in 1915-16.
3. **Demosthenes.** First term. Professor BRISTOL. M W F, 10.
- 3a. **Sophocles.** Second term. Assistant Professor JONES. M W F, 10.
4. **Greek Composition.** Throughout the year, credit one hour a term. Prerequisite course 2 or the equivalent. Assistant Professor JONES. Hour to be arranged.
5. **New Testament Greek.** Throughout the year. W F, 8. Dr. WHITE. Prerequisite course 1 or its equivalent.
7. **Myths of the Epic Cycle.** First term. Assistant Professor JONES. T Th, 12.
10. **Lyric Poetry.** First term. Professor BRISTOL. T Th, 11.
11. **Aristophanes.** Second term. Assistant Professor JONES. T Th, 11.
12. **The Republic of Plato.** Throughout the year, credit three hours a term. Professor HAMMOND. Hours to be arranged.
20. **Greek Seminary.** Throughout the year. W, 2.30-4, and one other hour to be arranged. Professor BRISTOL. For graduates and by permission, qualified seniors.
- [21. **Introduction to the Study of Language.** First term and until the Easter recess. Professor BRISTOL.] Not given in 1915-1916.
22. **Comparative Grammar of Greek, Latin, and Germanic.** First term. Professor BRISTOL. M W F, 11. For graduates and qualified seniors.

GREEK ART AND ANTIQUITIES

Courses 1 and 3 in this department do not require any knowledge of Greek or of Latin. Courses 5 and 6 presuppose facility in reading Greek.

1. **History of Greek Sculpture.** Repeated in second term. Assistant Professor ANDREWS. First term, M W F, 9; second term, M W F, 11.
2. **Greek.** Plato; Homer's Odyssey. Professor BRISTOL.

3. **Greek Antiquities.** Repeated in second term. Assistant Professor ANDREWS. First term, M W F, 11; second term, M W F, 9.

5. **Pausanias.** Credit two hours. Assistant Professor ANDREWS. Hours to be arranged after consultation.

6. **Greek Epigraphy.** Credit two hours. Assistant Professor ANDREWS. Hours to be arranged after consultation.

7. **Modern Greek.** Credit two hours. Assistant Professor ANDREWS. Hours to be arranged after consultation.

LATIN

A. **Elementary Latin.** Throughout the year. M T W Th F, 8. Professor ELMER.

B. **Cicero, Selected Orations; Virgil, Aeneid, Books I-IV.** Throughout the year. Prerequisite course A or entrance credit for two units of Latin. Professor ELMER. M W F, 4, or hours to be arranged.

1. **Livy; Cicero, De Senectute; Horace, Odes and Epodes; Latin Writing.** Throughout the year. M W F, 10, Professor BENNETT; M W F, 11, Professor DURHAM; M W F, 12, Professor DURHAM.

[1a. **Freshman Latin Composition and Conversation.** Throughout the year, credit one hour a term. Professor DURHAM.] Not given in 1915-16.

2. **Sight Translation; Gellius, Selections; Ovid, Metamorphoses.** Throughout the year. T, 11, S, 10, Professor ELMER.

[3. **Sight Translation: Caesar's Civil War; Phaedrus; Martial.** Throughout the year, credit one hour a term.] Not given in 1915-16.

[7. **Classic Myths in English Literature.** Prerequisite preparatory Latin. Second term only, credit two hours. Professor DURHAM.] Not given in 1915-16.

8. **Terence, Phormio; Catullus; Horace, Satires and Epistles; Tacitus, Agricola and Germania.** Throughout the year. Prerequisite course 1. Professor DURHAM. T Th S, 9.

[11. **Selections from Cicero's Letters; Cicero, De Oratore, Book I.** Throughout the year, credit two hours a term. Prerequisite course 1 or the equivalent. Professor ELMER.] Not given in 1915-16.

12. **Selections from the last six books of Virgil's Aeneid; Cicero, De Officiis.** Throughout the year. Prerequisite course 1 or the equivalent. Professor ELMER. T Th, 2, or hours to be arranged.

[16. **Selections from the Republican Literature: Plautus, the Captives and Mostellaria; Lucretius; Lectures on the History of Roman Literature.** Throughout the year, credit three hours a term. Prerequisite course 8, 11, or 12. Professor BENNETT.] Not given in 1915-16.

17. **Literature and History of the Early Empire: Suetonius, Lives of the Caesars; Pliny's Letters; Tacitus' Annals.** Throughout the year. Prerequisite course 8, 11, or 12. Professor BENNETT. T Th S, 9.

18. **Lyric Poetry.** First term, credit two hours. Open to students who have taken or are taking course 16 or 17. Professor DURHAM.

21. **Intermediate Course in Latin Writing.** Throughout the year. Prerequisite course 1. Professor ELMER. W, 3, or hour to be arranged.

[26. **Teachers' Training Course.** Throughout the year, credit two hours a term. Open, upon personal application to the professor, to students who have had course 8, 11, or 12, and have taken or are taking course 16 or 17. Professor BENNETT.] Not given in 1915-16.

27. **Roman Life and Art.** Throughout the year. Professor BENNETT. W F, 12.

[34. **Cicero, in Verrem, Fourth Oration of the Actio Secunda.** Throughout the year. Prerequisite course 8, 11, or 12, or the equivalent. Professor ELMER. Th, 11.] Not given in 1915-16.

[35. **Cicero's Philippics.** Throughout the year, credit one hour a term. Prerequisite course 8, 11, or 12, or the equivalent. Professor ELMER.] Not given in 1915-16.

41. **Latin Seminary.** Professor BENNETT. T, 2, and S, 10. Exclusively for graduates.

42. **History, Aim, and Scope of Latin Studies.** Throughout the year. Professor BENNETT. M, 12. Exclusively for graduates.

43. **Historical Latin Syntax.** Professor BENNETT. T Th, 10. Exclusively for graduates.

[44. **Historical Grammar of the Latin Language.** Throughout the year. Professor BENNETT. Exclusively for graduates.] Not given in 1915-16.

45. **Latin Writing, Advanced Course.** Second term. Professor ELMER. W, 3. For graduates. Undergraduates who have taken course 21 may also be admitted to this course.

[46. **History and Development of Roman Epic Poetry.** Throughout the year. Professor ELMER. Exclusively for graduates.] Not given in 1915-16.

[47. **Vulgar Latin. Elementary Course.** First term, credit two hours. Professor DURHAM.] Not given in 1915-16.

48. **Vulgar Latin.** Hours to be arranged. For graduates. Professor DURHAM.

50. **Latin Epigraphy.** Throughout the year, credit two hours a term. Professor DURHAM. Roman History, see HISTORY, courses 1 and 2.

Latin Paleography, see HISTORY, course 73.

GERMAN

1. **Course for Beginners: Oral Training, Grammar, Composition, Translation.** Repeated in second term, credit six hours. First term, daily, 9, Assistant Professor POPE; daily, 11, Dr. ZINNECKER. Second term, daily, 10, Dr. ZINNECKER.
2. **Oral Training, Grammar, Composition, Translation.** First term only. Prerequisite first year German of the entrance requirements. T Th S, 10. Assistant Professor BOESCHE.
3. **Oral Training, Grammar, Composition, Translation.** Repeated in second term. Prerequisite course 1, or course 2, or entrance credit for two units of German. First term, M T W Th F, 9, Dr. ZINNECKER; M T W Th F, 10, Dr. ANDREWS; M T W Th F, 10, Dr. VOLLMER; M T W Th F, 11, Dr. VOLLMER. Second term, M T W Th F, 9, Dr. ZINNECKER; M T W Th F, 10, Dr. ANDREWS; M T W Th F, 11, Dr. VOLLMER.
4. **Elementary German Composition and Conversation.** Throughout the year. Open to those who are taking or have taken course 3. M W F, 12, Dr. ZINNECKER; T Th S, 9, First term, Dr. ANDREWS; second term, Assistant Professor POPE.
- 4a. **Elementary German Composition and Conversation.** Second term only. Dr. VOLLMER. M T W Th F, 10. This course is equivalent to course 4.
5. **Intermediate German Course.** Throughout the year. Prerequisite course 3, or the equivalent. T Th S, 10. First term, Professor FAUST; second term, Assistant Professor POPE. M W F, 9, Dr. VOLLMER; T Th S, 12, Dr. ANDREWS.
- 5a. **Intermediate German Course.** Second term only. Prerequisite course 3, or the equivalent. Dr. ANDREWS. M T W Th F, 9. This course is equivalent to course 5. Primarily for students completing course 3 in the first term.
7. **Intermediate German Course.** Throughout the year. Prerequisite course 3, or the equivalent. M T W Th F, 10, Assistant Professor DAVIDSEN; M T W Th F, 12, Assistant Professor BOESCHE.
8. **Scientific German.** Second term. Prerequisite courses 1-3, or three years of German in high school. M W, 11. Assistant Professor BOESCHE.
10. **Advanced German Composition and Conversation.** Throughout the year. Prerequisite courses 1-5, or the equivalent. M W F, 10, Assistant Professor POPE; T Th S, 11, Assistant Professor DAVIDSEN.
11. **Schiller's Life and Works.** Throughout the year. Prerequisite courses 1-5. Assistant Professor BOESCHE. T Th S, 11.
12. **Goethe's Life and Works.** First term. Primarily for juniors and seniors. Prerequisite courses 1-5, or the equivalent. Professor FAUST. T Th S, 9.
13. **Goethe's Faust, part I and selected portions of part II.** Second term. Primarily for juniors and seniors. Prerequisite courses 1-5, or the equivalent. Professor FAUST. T Th S, 9.
- [14. **History of German Literature.** Throughout the year. Prerequisite courses 1-5, or the equivalent. Professor FAUST.] Not given in 1915-16.
15. **Contemporary German Literature.** Throughout the year. Prerequisite courses 1-5, or the equivalent. Professor FAUST. M W F, 9.
16. **The German Drama of the Nineteenth Century.** Throughout the year. Prerequisite courses 1-5, and 10, or the equivalent. Assistant Professor DAVIDSEN. M W F, 11.
- [17. **The Literature of the Reformation.** First term, credit three hours. Prerequisite courses 1-5, and 10, or the equivalent. Assistant Professor DAVIDSEN.] Not given in 1915-16.
- [18. **Lessing's Life and Works.** Second term, credit three hours. Prerequisite courses 1-5, and 10, or the equivalent. Assistant Professor DAVIDSEN.] Not given in 1915-16.
- [24. **Lyric and Ballad Poetry.** Second term, credit three hours. Prerequisite courses 1-5 Assistant Professor POPE.] Not given in 1915-16.
25. **Wagner's Life and Works.** Second term. Prerequisite courses 1-5, otherwise only by special permission. Assistant Professor POPE. T Th S, 12.
- [30. **The History of the German Element in the United States.** Professor FAUST.] Not given in 1915-16.
33. **Elementary Phonetics and its Application to the Study of Modern Languages.** First term. Assistant Professor DAVIDSEN. W F, 12.
- [34. **Principles of Word Formation.** First term, credit two hours. Assistant Professor DAVIDSEN.] Not given in 1915-16.
35. **History of the German Language.** Second term. Assistant Professor BOESCHE. M W F, 10.
- [36. **Topics in Historical German Syntax.** Second term, credit three hours. Assistant Professor BOESCHE.] Not given in 1915-16.
37. **Elementary Middle High German.** First term. Prerequisite courses 1-5, 10, and at least six hours of advanced work in German literature. Assistant Professor POPE. T Th S, 10.
- [38. **Modern Scandinavian.** Throughout the year, credit three hours a term. Dr. ANDREWS.] Not given in 1915-16.
40. **Teachers' Course.** Second term. Prerequisite courses 1-5, 10, and eighteen hours of advanced work in German literature or philology. Professor FAUST, assisted by his colleagues of the German Department. T, 2-4.
41. **Advanced Middle High German.** Second term. Prerequisite course 37. Professor FAUST. Primarily for graduates. T Th, 10.

42. **Gothic.** First term. Assistant Professor BOESCHE. M W F, 11. Primarily for graduates.
- [43. **Old High German.** First term, credit three hours. Prerequisite course 37. Assistant Professor BOESCHE. Primarily for graduates.] Not given in 1915-16.
44. **Old Icelandic.** Throughout the year. Dr. ANDREWS. M W F, 12. Primarily for graduates.
45. **The Viking Age.** First term. Mr. HERMANSSON. F, 11.
- [46. **Old Norse Mythology.** Credit one hour. Mr. HERMANSSON.] Not given in 1915-16.
47. **Principles of Germanic Philology.** Second term. Prerequisite course 42. Dr. ANDREWS. W, 2-4.
48. **Seminary in German Literature.** First term. Professor FAUST. F, 2-4. For graduates only.
49. **Seminary in German Literature.** Second term, credit two hours. Assistant Professor DAVIDSEN. Hours to be arranged. Primarily for graduates.
- [50. **Seminary in German Philology.** Assistant Professors POPE and BOESCHE. For graduates only.] Not given in 1915-16.
51. **Lectures in German on the History of German Art.** Second term, credit three hours. Professor ARTUR WEESE, Professor of the History of Art, University of Bern, Switzerland, Jacob H. Schiff non-resident lecturer for 1916. Daily except Saturday, 4:45 P. M. in February and March. Collateral reading will be required of those taking the course for credit.

ROMANCE LANGUAGES

Students intending to teach French should take the following courses as a minimum requirement for their purpose: 4, 5, 6, 13, 14, 23, and at least three other courses in French literature.

1. **Elementary Course. Grammar, Composition, Translation.** Repeated in second term. First term, daily, 12, Assistant Professor PUMPELLY; daily, 8, Mr. CARPENTER; daily, 9, Mr. CARPENTER. Second term, daily, 12, Professor MASON; daily, 8, Mr. CARPENTER.
2. **Grammar, Composition, Translation.** First term. Prerequisite first year French of the entrance requirements. T Th S, 10, — — —.
3. **Grammar, Composition, Translation.** Repeated in second term. Prerequisite course 1, or course 2, or entrance credit for two units of French. First term, M T W Th F, 9, Professor COMFORT; M T W Th F, 10, Assistant Professor GUERLAC; M T W Th F, 12, Professor MASON. Second term, M T W Th F, 9, Mr. CARPENTER; M T W Th F, 10, Professor MASON; M T W Th F, 12, Mr. CARPENTER.
4. **Advanced Translation.** Repeated in second term. Prerequisite course 3, or third year French of the entrance requirements. First term, M W F, 9, Professor MASON; M W F, 11, Professor MASON; T Th S, 12, Assistant Professor HAMILTON. Second term, T Th S, 9, Assistant Professor GUERLAC; M W F, 10, Assistant Professor PUMPELLY.
- 4a. **Advanced Translation.** Second term. Prerequisite course 4. T Th S, 10. Assistant Professor HAMILTON.
5. **Elementary French Composition.** Throughout the year. Prerequisite course 3, or third year French of the entrance requirements. T Th S, 9, Assistant Professor PUMPELLY; M W F, 11, Assistant Professor PUMPELLY.
6. **History of French Literature.** Repeated in second term. Prerequisite course 4. First term, M W F, 11, Assistant Professor GUERLAC. Second term, M W F, 11, Professor COMFORT.
7. **French Literature of the Seventeenth Century.** Throughout the year. Prerequisite course 4. Professor COMFORT. M W F, 10.
8. **French Literature of the Eighteenth Century.** Throughout the year. Prerequisite course 4. Assistant Professor GUERLAC. M W F, 9.
- [9. **French Literature of the Nineteenth Century.** Throughout the year. Prerequisite course 4. Professor MASON.] Not given in 1915-16.
- [10. **French Dramatic Literature.** Throughout the year, credit three hours a term. Prerequisite course 4.] Not given in 1915-16.
- [11. **French Fiction.** Throughout the year, credit two hours a term. Prerequisite course 4. Assistant Professor GUERLAC.] Not given in 1915-16.
13. **French Phonetics.** First term, Prerequisite courses 4, 5. Assistant Professor PUMPELLY. S, 11.
14. **Advanced French Composition.** Throughout the year. Prerequisite courses 4, 5. Assistant Professor GUERLAC. T Th S, 11.
21. **French Prose of the Sixteenth Century.** Second term, credit three hours. Prerequisite course 6. Professor MASON. Hours to be arranged.
- [22. **French Poetry of the Sixteenth Century.** Second term, credit three hours. Prerequisite course 6. Professor MASON.] Not given in 1915-16.
23. **French Philology.** Throughout the year. Prerequisite course 13, and entrance Latin. Assistant Professor PUMPELLY. M, 3-5, Th, 10.
24. **French Medieval Literature.** Second term. Prerequisite course 6. Professor COMFORT. T Th, 12.
- [25. **Old French Phonology and Morphology.** Second term, credit two hours. Assistant Professor HAMILTON. For graduates only.] Not given in 1915-16.

26. **Old French Texts.** Throughout the year, credit two hours a term. Prerequisite course 23. Professor COMFORT. T, 2:30. Primarily for graduates.
27. **Modern French Seminary.** Throughout the year, credit two hours a term. Professor MASON. Primarily for graduates. Hours to be arranged.
- [28. **Low Latin.** First term, credit two hours. Assistant Professor HAMILTON. Primarily for graduates.] Not given in 1915-16.
30. **Italian. Elementary Course.** Throughout the year. T Th S, 9. Assistant Professor HAMILTON.
32. **Italian Poetry: Dante, Leopardi, Carducci.** Throughout the year. Prerequisite course 30, or second year Italian of the entrance requirements. Assistant Professor HAMILTON. T Th S, 11.
33. **Petrarch and the Renaissance.** Throughout the year, credit two hours a term. Prerequisite course 32. Assistant Professor HAMILTON. Hours to be arranged. Primarily for graduates.
- [35. **Dante: the Minor Works.** Throughout the year, credit two hours a term. Prerequisite course 32. Assistant Professor HAMILTON.] Not given in 1915-16.
40. **Spanish. Elementary Course.** Throughout the year. M W F, 10, Assistant Professor KENISTON; T Th S, 11, Assistant Professor KENISTON; M W F, 12, Mr. CARPENTER.
42. **Spanish Literature of the Nineteenth Century.** Throughout the year. Prerequisite course 40, or second year Spanish of the entrance requirements. Assistant Professor KENISTON. M W F, 11.
44. **Spanish Literature of the Golden Age.** Throughout the year. Prerequisite course 42, or third year Spanish of the entrance requirements. T Th, 12. Assistant Professor KENISTON.
- [46. **Old Spanish.** Throughout the year, credit two hours a term. Prerequisite course 44. Assistant Professor KENISTON. Primarily for graduates.] Not given in 1915-16.
47. **Spanish Seminary.** Throughout the year, credit two hours a term. Assistant Professor KENISTON. Primarily for graduates. Hours to be arranged.
60. **Old Provencal.** First term, credit two hours. Assistant Professor HAMILTON. Primarily for graduates. Hours to be arranged.

ENGLISH

1. **Introductory Course.** Throughout the year. Assistant Professors ADAMS and MONROE; Drs. BAILEY and GILBERT; Messrs. BALDWIN, CROWELL, HEBEL, BOULTER, BUNDY, JACOBY, and LAPPIN. Twenty-eight sections at the following hours: T W Th F, 8, 10, 11, 12, and M T Th F, 2. Rooms to be announced.
2. **Nineteenth Century Prose.** Throughout the year. Prerequisite course 1 or 3. Assistant Professors PRESCOTT, NORTHUP, and MONROE, and Dr. BROUGHTON. M W F, 9, 11; T Th S, 9, 12.
3. **English Literature.** Throughout the year. Open only to freshmen who are not taking course 1. Lectures, T Th, 11, Professor SAMPSON. Recitations, M W, 8, 9, 10, 11, 12; W F, 11; F S, 10, 12. Professor STRUNK, Mr. SMITH, and Dr. BROUGHTON.
5. **Advanced Composition.** Throughout the year. Mr. SMITH. T Th S, 10.
- [6a. **Argumentative Composition.** First term, credit three hours. Prerequisite course 1. Assistant Professor MONROE.] Not given in 1915-16.
8. **English Usage and Style.** Second term. Prerequisite course 2 or its equivalent. Professor STRUNK. T Th S, 10.
- [9b. **Teachers' Course.** Second term, credit one hour. Dr. BAILEY. Given in alternate years. Not given in 1915-16.
10. **Play Writing.** Throughout the year. Professor SAMPSON. T Th, 10.
11. **Old English.** Throughout the year. Prerequisite course 1 or 3. Assistant Professor MONROE. M W F, 11.
12. **Middle English.** Throughout the year. Prerequisite course 11. Assistant Professor NORTHUP. M W, 12.
22. **Nineteenth Century Poetry.** Throughout the year. Open to sophomores and upperclassmen. Professors SAMPSON and STRUNK; Assistant Professors PRESCOTT and COOPER. M W F, 9; M W F, 11; T Th S, 9.
24. **English Translations of Greek and Latin Classics.** Throughout the year. Open to upperclassmen. Assistant Professor COOPER. T, 3, Th, 3-5.
- 25b. **Old English Readings.** Second term. Prerequisite first term of course 11. Assistant Professor MONROE. M W, 3, or hours to be arranged.
- [30. **Chaucer's Canterbury Tales.** Second term, credit three hours. Prerequisite course 2, 11, or 22. Professor STRUNK.] Not given in 1915-16.
- [31. **Sixteenth and Seventeenth Century Literature.** Throughout the year, credit three hours a term. Open to upperclassmen only. Dr. BAILEY.] Not given in 1915-16.
32. **History of English Literature.** Throughout the year. Open to graduates, and to upperclassmen who have taken two full years of English. Dr. BAILEY. M W F, 9.
33. **Recent English Poetry.** First term. Open to upperclassmen only. Professor STRUNK. T Th S, 10.

37. **Shakespeare.** Throughout the year. Open to upperclassmen only. Professor STRUNK. M W F, 10.
- 38b. **Eighteenth Century Poetry.** Second term. Prerequisite course or 22. Assistant Professor MONROE. M W, 12.
41. **The English Drama to 1642.** Throughout the year. Open to upperclassmen only. Assistant Professor ADAMS. T Th S, 11.
42. **Elizabethan Non-Dramatic Literature.** First term. Open to upperclassmen only. Assistant Professor ADAMS. M W F, 11.
43. **Shakespearean Tragedy.** Second term. Open to upperclassmen only. Assistant Professor ADAMS. M W F, 11.
47. **The Principles of Poetry and Versification.** First term. Open to upperclassmen only. Assistant Professor PRESCOTT. M W F, 10.
- 48a. **American Literature.** First term. Open to seniors and graduates. Assistant Professor PRESCOTT. T Th, 12.
- 48b. **American Literature.** Second term. Open to seniors and graduates. Assistant Professor PRESCOTT. T Th S, 12.
50. **Studies in Literature.** Throughout the year, credit two hours a term. Open to upperclassmen only. A. Pastoral Poetry, Dr. BROUGHTON; b. Milton and the Epic, Dr. GILBERT.
51. **Dante in English.** Throughout the year. Open to seniors and graduates. Assistant Professor COOPER. M, 3-5.
52. **Victorian Literature.** Throughout the year. Open to upperclassmen and graduates. Assistant Professor NORTHUP. T Th S, 9.
- [54. **Methods and Materials in the Study of English.** Throughout the year, credit two hours a term. Open to graduates. Assistant Professor COOPER. Hours to be arranged.] Not given in 1915-16.
- [55. **Spenser.** Throughout the year, credit two hours a term. Open to seniors and graduates. Assistant Professor COOPER.] Not given in 1915-16.
- 56a. **The Arthurian Legends.** First term. Open to upperclassmen and graduates. Assistant Professor NORTHUP. W F, 10.
- 56b. **Middle English Literature.** Second term. Open to upperclassmen and graduates. Assistant Professor NORTHUP. W F, 10.
59. **Dramatic Structure.** Throughout the year. Open to seniors and graduates. Professor SAMPSON. M W F, 10.
60. **Victorian Poetry.** For graduates only. Dr. BAILEY.
61. **The Tudor-Stuart Drama.** For graduates only. Assistant Professor ADAMS.
62. **Pastoral Poetry.** For graduates only. Dr. BROUGHTON.
63. **Layamon's Brut.** For graduates only. Assistant Professor MONROE.
64. **Elizabethan Bibliography.** For graduates only. Assistant Professor ADAMS.
65. **The Principles of Literary Criticism.** Throughout the year. Open to seniors and graduates. Assistant Professor COOPER. W, 3-5.
66. **The Epic and the Romance.** For graduates only. Assistant Professor NORTHUP.
67. **The Phonology, Inflections, and Metre of Old English.** For graduates only. Professor STRUNK.
68. **American Literature.** For graduates only. Assistant Professor PRESCOTT.
69. **The Drama.** For graduates only. Professor SAMPSON.
70. **The Georgian and Victorian Drama.** For graduates only. Assistant Professor NORTHUP.

PUBLIC SPEAKING

1. **Public Speaking.** Throughout the year. M W F, 9, Assistant Professor MUCHMORE. M W F, 12, Mr. DRUMMOND; M W F, 10, Messrs. DRUMMOND and STENBERG; T Th S, 8, Assistant Professor MUCHMORE, T Th S, 9, Mr. STENBERG; T Th S, 10, Professor WINANS and Mr. STENBERG.
- 1a. **Public Speaking.** Second term. M W F, 8, Mr. Anderson; T Th S, 10, Mr. STENBERG.
6. **Public Speaking for Engineers.** Repeated in second term. Mr. ANDERSON. M W, 12.
8. **Voice Training.** Repeated in second term. Assistant Professor MUCHMORE. T Th S, 10.
10. **Oral Reading.** Throughout the year. Assistant Professor MUCHMORE. W F, 11.
- [11. **Oral Reading and Oral English.** Throughout the year, credit two hours a term. Prerequisite the consent of the instructor. Mr. DRUMMOND.] Not given in 1915-16.
12. **Argument and Debate.** Throughout the year. Mr. DRUMMOND. T Th, 12, and an hour to be arranged.
15. **Advanced Public Speaking.** Throughout the year. Prerequisite five hours in other courses of this department, including three hours of 1 or 1a. Professor WINANS. T Th S, 11.
- [16. **Principles of Speech Preparation.** First term, credit two hours. Prerequisite course 1. Professor WINANS. Open to graduates and seniors.] Not given in 1915-16.
20. **Oral Expression for Architects.** First term, credit three hours. Professor WINANS and Mr. STENBERG.

PHILOSOPHY

1. **Problems of Philosophy.** First term. Lectures, Professor THILLY, M W, 11. Recitations: F, 11, Professor THILLY; F, 11, Dr. WRIGHT; F, 11, Mr. RITTER.
2. **Logic.** First term. Dr. WRIGHT. M W F, 12.
3. **Logic.** Second term. Professor CREIGHTON. T Th S, 11. Dr. WRIGHT. T Th S, 9.
4. **The Fine Arts: their Philosophy and History in Outline.** First term. Professor HAMMOND. T Th S, 10.
5. **History of Philosophy.** Throughout the year. Professor CREIGHTON. T Th S, 9. Open to juniors, seniors, and graduates.
6. **Moral Ideas and Practice.** Second term. Lectures, Professor THILLY. M W, 9. Recitations: F, 9, Professor THILLY; F, 9, Dr. WRIGHT; F, 9, Mr. RITTER.
7. **Ethics.** First term. Professor THILLY. M W F, 9.
8. **The Renaissance.** Second term. Professor HAMMOND. T Th S, 10.
9. **Philosophical Ideas in Nineteenth Century Literature.** First term. Professor ALBEE. M W F, 12.
10. **Social and Political Ethics, and the Theory of the State.** Second term. Professor THILLY. M W F, 11. For juniors, seniors, and graduates only.
11. **Philosophical Results and Applications.** Throughout the year. Prerequisite at least one course in philosophy. Professor CREIGHTON. S, 12.
12. **The Theory of Evolution: Its History and Significance.** Throughout the year. Dr. WRIGHT. S, 11.
13. **Origin and Development of Religious Ideas.** First term. Dr. WRIGHT. T Th, 12.
14. **Psychology and Philosophy of Religion.** Second term. Dr. WRIGHT. T Th, 12.
16. **Reading of German Philosophy.** Throughout the year. Professor HAMMOND. T, 2.
17. **Sources of Ancient and Medieval Philosophy.** Second term. Professor HAMMOND. M W, 9. Primarily for graduates, and open to seniors only by special permission.
- [18. **Types of Metaphysical Theory.** First term, credit two hours. Prerequisite course 1 or 5 or the equivalent. Professor CREIGHTON.] Not given in 1915-16.
19. **The Development of Modern Philosophical Problems.** First term. Prerequisite course 5 or its equivalent. Professor CREIGHTON. T Th, 12.
20. **History of Ethics, Ancient, Medieval, and Renaissance.** First term. Professor HAMMOND. M W, 11. Primarily for seniors and graduates.
21. **History of Modern Ethics.** Second term. Professor ALBEE. M W, 11. Primarily for graduates.
26. **Advanced Ethics.** Throughout the year. Professor THILLY. M W F, 10. Primarily for graduates.
27. **The Republic of Plato.** Throughout the year, credit three hours a term. Professor HAMMOND.
- [28. **Aristotle's Ethics.** Throughout the year, credit three hours a term. Professor HAMMOND.] Not given in 1915-16.
- [29. **Modern Idealistic Theories of Ethics.** Throughout the year, credit three hours a term. Professor THILLY. Primarily for graduates.] Not given in 1915-16.
30. **Empiricism and Rationalism.** First term. Professor ALBEE. T Th S, 11. Primarily for graduates.
31. **The Critical Philosophy of Kant.** Second term. Professor ALBEE. T Th S, 11. Primarily for graduates.
- [32. **Early Rationalism: Spinoza and Leibniz.** Second term, credit two hours. Professor ALBEE. Primarily for graduates.] Not given in 1915-16.
33. **German Pessimism, with special reference to Schopenhauer.** Second term. Professor ALBEE. M W, 12. Primarily for graduates.
- [34. **Problems and Methods in Recent Philosophy.** Throughout the year, credit two hours a term. Professor ALBEE. Primarily for graduates.] Not given in 1915-16.
35. **Logical Theory.** Throughout the year. Professor ALBEE. T Th, 12. Primarily for graduates.
37. **Seminary in Ethics.** Throughout the year, credit two hours a term. Professor THILLY.
38. **Seminary in Ancient and Medieval Philosophy.** Throughout the year. Professor HAMMOND. W, 3-5, or hours to be arranged.
40. **Seminary in Logic and Metaphysics.** T, 3-5, Goldwin Smith 231. Professor CREIGHTON, and Dr. WRIGHT.
41. **Seminary in Aesthetics.** Throughout the year, credit two hours a term. Professor HAMMOND. Hours to be arranged.

PSYCHOLOGY

1. **Elementary Psychology.** First term. Professor TITCHENER, Assistant Professor WELD, Dr. FOSTER, Dr. BORING, and Mr. BISHOP. Lectures, T Th, 11; class room work, S, 10 or 11. Not open to juniors or seniors.
- 1a. **Elementary Psychology.** First term. Dr. FOSTER and Mr. BISHOP. Lectures, T Th, 12; class room work, S, 10, 11, or 12. This course is open to juniors and seniors.

2. **General Psychology: Problems and Points of View.** Second term. Prerequisite course 1 or 1a. Assistant Professor WELD. Lectures, T Th, 11; class room work, S, 11.
3. **Experimental Psychology: Qualitative.** First or second term. Prerequisite course 1 or 1a. Assistant Professor WELD, Dr. FOSTER, Dr. BORING, and Mr. BISHOP. M W F, 2-4.
4. **Experimental Psychology: Quantitative.** First or second term. Prerequisite courses 1 or 1a, and 3. Assistant Professor WELD, Dr. FOSTER, Dr. BORING, and Mr. BISHOP. M W F, 2-4.
- [5. **Systematic Psychology: Sensation, Image.** First term, credit three hours.] Not given in 1915-16.
- [6. **Systematic Psychology: Feeling, Attention, Action.** Second term, credit three hours.] Not given in 1915-16.
- 5a. **Systematic Psychology: Perception and Idea.** First term. Prerequisite course 3, or by special permission course 2. Assistant Professor WELD, and Mr. BISHOP. Lectures, M W F, 9.
- 6a. **Systematic Psychology: Memory, Imagination, and Thought; Emotion and Volition.** Second term. Prerequisite course 3, or by special permission course 2. Dr. FOSTER, Dr. BORING, and Mr. BISHOP. Lectures, M W F, 9.
7. **Reading of German Psychology.** First term, credit one hour. Dr. BORING. Hour to be arranged.
8. **Reading of French Psychology.** Second term, credit one hour. Dr. BORING. Hour to be arranged.
9. **Psychological Problems.** Throughout the year, credit one to five hours a term. Prerequisite course 4. Assistant Professor WELD, Dr. FOSTER, and Dr. BORING.

THE SCIENCE AND ART OF EDUCATION

Course 1 in Psychology is prerequisite to all courses in Education.

1. **Educational Psychology.** Second term. Assistant Professor FRASER. M W F, 2.
- 1a. **Education.** Same as course 1, especially for agricultural students. Repeated second term. M W F S, 11.
2. **Principles of Education.** First term. Prerequisite course 1. Professor COURSAULT. T Th F, 2.
3. **History of Education.** Second term. Prerequisite course 1. Professor COURSAULT. M W F, 2.
4. **School Hygiene.** First term. Assistant Professor FRASER. M W 2.
10. **Psychology of the High School Period.** First term. Prerequisite course 1, and preferably also courses 2 and 3. Assistant Professor FRASER. M, 3-5.
11. **High School Organization.** Second term. Professor BRISTOL. T Th, 11.
- [12. **The Teaching of High School Science and Mathematics.** Second term, credit three hours. Assistant Professor FRASER.] Not given in 1915-16.
20. **The Education of Exceptional Children.** Second term. Assistant Professor FRASER. M, 3-5.
21. **Mental Tests.** First term. Prerequisite courses Psychology 3 or 4, Education 1. Assistant Professor FRASER. T, 2-5. Primarily for graduates.
22. **Experimental Investigation.** Hours to be arranged. Prerequisite course 4 or 21. Assistant Professor FRASER. Primarily for graduates.
- [23. **Reading of German Educational Psychology.** First term, credit two hours. Assistant Professor FRASER.] Not given in 1915-16.
24. **Seminary in Education.** Credit one or two hours. Section A. Assistant Professor FRASER. Every other Tuesday, 7:30 P. M. Section B. Professor COURSAULT. Th, 3-5.

HISTORY

A. **The History of Civilization.** Throughout the year. F, 12. Professors SCHMIDT, SILL, BURR, and others. No university credit will be given.

1. **Roman History.** First term. Professor SILL. M W F, 11. Intended especially for freshmen.
2. **Roman History.** Second term. Professor SILL. M W F, 11. Intended especially for freshmen.
3. **Greek History.** First term. Professor SILL. M W F, 9.
4. **History of Law.** Second term. Professor SILL. M W F, 9.
5. **Seminary in Greek and Roman History.** Throughout the year. Professor SILL. T, 4 (or as may be arranged). Open to graduates and qualified undergraduates.
11. **The Middle Ages.** First term. Professor BURR. M W F, 3.
- 11a. **Lectures on Christendom during the Middle Ages.** First term, no credit (unless the course is taken as part of course 11). Professor BURR. W, 3.
12. **The Renaissance and the Reformation.** Second term. Professor BURR. M W F, 3.
- 12a. **Lectures on the Renaissance and the Reformation.** Second term, no credit (unless the course is taken as part of course 12). Professor BURR. W, 3.

[13. **The Rise of Tolerance.** Throughout the year, credit two hours a term. A study of the history of intellectual and religious liberty in Christendom. Not open to underclassmen, and primarily for seniors and graduates.] Not given in 1915-16.

14. **Medieval Life.** First term. Professor BURR. S, 11.

15. **Seminary in Medieval History.** Second term. Professor BURR. S, 11. Open only to seniors and graduates.

16. **Canon Law.** Throughout the year. Professor BURR. T Th, 3. Primarily for graduates.

22 and 23. **Modern European History 1600-1900.** Twenty-two is first term, twenty-three second term; Dr. MELVIN. M W F, 11.

24 and 25. **The French Revolution and the Napoleonic Era.** Twenty-four is first term, twenty-five second term. Dr. MELVIN. T Th, 9.

26. **Seminary in Modern European History.** Throughout the year, credit two hours a term. Dr. MELVIN. Open to graduates and to qualified seniors.

28. **History of the Low Countries (now Holland and Belgium) from the Middle Ages to the Present Day.** First term. Dr. VAN LOON. M W, 9.

29. **History of Russia.** First term. Dr. VAN LOON. T, 11.

31. **English History to 1509.** First term. Professor LUNT. T Th, 10, and an hour for recitation to be arranged.

32. **English History, 1509 to 1916.** Second term. Prerequisite course 31, or an equivalent. Professor LUNT. T Th, 10, and an hour for recitation to be arranged.

33. **English Constitutional History to the Sixteenth Century.** Second term. Prerequisite course 31. Professor LUNT. T Th, 9, and an hour for recitation.

[34. **English History during the Tudor Period.** First term, credit three hours. Professor LUNT.] Not given in 1915-16.

[35. **English History during the Stuart Period.** Second term, credit three hours. Professor LUNT.] Not given in 1915-16.

37. **English History since the Eighteenth Century.** First term. Professor LUNT. T Th S, 11.

40. **Selected Topics in the History of England during the Thirteenth and Fourteenth Centuries.** Throughout the year. Professor LUNT. T, 2-4. Open to graduates and to qualified undergraduates.

51. **The Origin of State and Local Governments, to 1780.** First term. Prerequisite course

52. Professor HULL. T Th, 11.

52. **American History to 1815.** First term. Professor HULL. M W F, 10.

53. **American History, since 1815.** Second term. Professor HULL. M W F, 10.

54. **Economic History of the Colonies, 1600 to 1800.** First term. Professor HULL. T Th S, 9.

55. **Economic History of the United States, since 1800.** Second term. Professor HULL. T Th S, 9.

56. **Constitutional History of the United States since 1860.** First term. Prerequisite courses 52 and 53, or the equivalent. Professor BRETZ. M W F, 9.

57. **The Period of the Civil War.** First term. Prerequisite course 53 or the equivalent. Professor BRETZ. M W F, 10.

58. **Constitutional History of the United States to 1860.** Second term. Prerequisite courses 52 and 53. Professor HULL. T Th, 11.

60. **Seminary.** Throughout the year, credit two hours a term. Professors HULL and BRETZ.

71. **The Sciences Auxiliary to History.** First term. Professor BURR. S, 9. Not open to underclassmen.

[72. **Historical Geography.** Throughout the year, credit one hour a term. Professor BURR.] Not open to underclassmen. Not given in 1915-16.

73. **Palæography and Diplomatics.** Throughout the year. Professor BURR. S, 12.

75. **Historical Method.** Throughout the year. S, 10. Professor BURR. Open only to seniors and graduates.

76. **The Teaching of History.** Course for teachers. Second term. S, 8-10. Professor BURR with aid from his colleagues. Open only to seniors and graduates.

77. **Introduction to the Literature of History.** F, 3 (or as may be arranged). Professors SCHMIDT, SILL, BURR, LUNT. —, HULL, BRETZ. For graduates only.

POLITICAL SCIENCE

51. **Elementary Economics.** Throughout the year. Lectures, M, 9; repeated M, 11. Professor WILLCOX. Recitations, T Th, 8, 9, 10, 11, 12; W F, 8, 9, 10, 11, 12. Assistant Professor BLAKEY and USHER, Dr. REED, and Mr. HUGINS.

52. **Elements of Economics.** Throughout the year. Assistant Professor TURNER. Lectures M, 9, repeated T, 9, and a recitation hour.

53a. **American Government.** First term. Assistant Professor SABY. M W, 10, and a recitation hour.

53b. **Comparative Politics.** Second term. Assistant Professor Saby. M W, 10, and a recitation hour.

54a. **Municipal Administration.** First term. Prerequisite course 53a. Professor ORTH. M W F, 11.

54b. **State Administration.** Second term. Prerequisite course 53a. Professor ORTH. M W F, 11.

55a. **Elementary Social Science.** First term. Course 51 should precede or be taken with this course. Professor WILLCOX. T Th S, 9.

55b. **Elementary Social Science.** Second term. Course 51 should precede or be taken with this course. Professor WILLCOX. T Th S, 9.

56a. **Elements of Business Law.** First term. Professor ORTH. T Th, 12.

56b. **Government Control of Industry.** Second term. Prerequisite course 56a. Professor ORTH. T Th, 12.

57b. **Lectures on Citizenship.** Second term. M W, 12.

A lecture each Wednesday by a non-resident lecturer and each Monday by a member of the Department. The course has been arranged by a committee of Alumni who are actively engaged in civic and social work and who are coöperating in this way with the Department. It will follow the same general plan as last year, but the speakers and most of the subjects treated will be changed.

The course will be under the general charge of Professor WILLCOX. Reading, reports, and essays will be required.

58a. **Accounting.** First term. Prerequisite course 51 or its equivalent. Assistant Professor ENGLISH. T Th S, 8.

58b. **Accounting.** Second term. Prerequisite course 58a. Assistant Professor ENGLISH. T Th S, 8.

[59. **Financial History of the United States.** Second term. Prerequisite course 51. Assistant Professor BLAKEY. T Th, 11.] Not given in 1915-16.

[60. **The American Party System.** First term, credit two hours. Prerequisite course 53a. Professor ORTH.] Not given in 1915-16.

62. **Business Management.** First term. Prerequisite courses 51 and 58a; or 58a may be taken at the same time. Professor KIMBALL. T Th, 12. Seniors and graduates; others by permission. See I 12 Sibley College.

[63. **Corporations and Trusts.** First term. Prerequisite course 51. Professor YOUNG. T Th S, 11.] Not given in 1915-16.

64. **Money and Banking.** Throughout the year. Prerequisite course 51. Professor YOUNG. T Th S, 10.

65a. **The Industrial Revolution in England, 1700 to 1850.** First term. Prerequisite course 51, previously or concurrently or work in European history. Assistant Professor USHER. M W F, 12.

65b. **Social and Economic Problems of the 19th Century in England.** Second term. Prerequisite course 51, previously or concurrently. Assistant Professor USHER. M W F, 12.

66a. **The Labor Problem.** First term. Prerequisite course 51. Professor T. S. ADAMS. M W F, 10.

66b. **Socialism.** Second term. Prerequisite course 51. Professor T. S. ADAMS. M W F, 10.

67. **Problems in Market Distribution.** Throughout the year. Prerequisite course 51. First term, M W F, 11. Second term, W F, 11. Assistant Professor TURNER and Dr. REED.

[68. **Railway Transportation.** Second term. Prerequisite course 51. Professor YOUNG. T Th S, 11.] Not given in 1915-16.

70. **Public Finance.** Throughout the year, credit three hours a term. Prerequisite course 51. Professor T. S. ADAMS. T Th, 10, and a third hour by arrangement.

[71. **Investments.** Second term, credit three hours. Prerequisite courses 51 and 58a. Assistant Professor ENGLISH.] Given in alternate years, not given in 1915-16.

73. **Insurance.** Second term. Prerequisite courses 51 and 58a. Assistant Professor ENGLISH. M W F, 9. Given in alternate years.

[76a. **Elementary Statistics.** First term, credit three hours. Prerequisite course 51. Professor WILLCOX.] Not given in 1915-16.

[76b. **Economic Statistics.** Second term, credit two hours. Prerequisite course 51. M W, 9. W, 2-4. Dr. WOODBURY.] Not given in 1915-16.

78a. **International Law and Diplomacy.** First term. President SCHURMAN and Assistant Professor Saby. M W F, 12. Open to juniors and seniors in Arts and Sciences, to students in Law, and to approved upperclassmen in other colleges.

[78b. **Constitutional Government.** Second term, credit three hours. Prerequisite course 53a. Professor ORTH.] Not given in 1915-16.

79a. **History of Political Thought.** First term. Prerequisite course 53a. Assistant Professor Saby. M W, 9.

79b. **Modern Political Thought.** Second term. Prerequisite course 53a. Assistant Professor Saby. M W F, 9.

[80. **The History of Protection and of Free Trade in Europe since 1660.** First term, credit three hours. Prerequisite course 51. Assistant Professor USHER.] Not given in 1915-16.

[81. **The History of Price Making and the Growth of Produce Exchanges.** Second term. Prerequisite course 51. Assistant Professor USHER.] Not given in 1915-16.

82. **Accounting Practice and Problems.** Throughout the year. Prerequisite course 58b. Assistant Professor ENGLISH. M W F, 8.

87. **Principles of Economics.** Throughout the year. Professor YOUNG. M W F, 11. Prerequisite course 51, or its equivalent.

[88. **Value and Distribution.** Throughout the year. Professor JOHNSON. F, 2:30.] Not given in 1915-16.

90. **Research in Statistics.** Throughout the year, credit to be arranged. Professor WILLCOX.

92. **Research in Public Finance and Taxation.** Throughout the year, credit two or three hours a term. Professor T. S. ADAMS. T, 2:30.

93. **Research in Accounting.** Throughout the year, credit two or three hours a term. Assistant Professor ENGLISH.

94. **Research in Politics.** Throughout the year, credit one to three hours a term. Professor ORTH.

95. **Seminary in Political Science and Public Law.** Throughout the year, credit two hours a term. Professor ORTH. W, 2:30.

96. **International Economics.** First term, credit two hours. Prerequisite course 51. Professor BONN. T Th, 12, W, 2:30-4:30.

97. **Modern Social Legislation.** First term, credit one hour. Prerequisite course 51. Professor BONN. W, 10, Th, 12:30-4:30.

99. **General Seminary.** Throughout the year, credit two hours a term. Conducted by members of the department. M, 2:30-4:30. Open only to graduate students.

Rural Economy. See Rural Economy in College of Agriculture.

Constitutional Law. First term. Professor HAYES. M, 9, T, 10. Open to juniors and seniors; to sophomores only by permission from the Dean of the College of Law. See course 36, College of Law.

Public Officers and Municipal Corporations. Second term. Professor HAYES. M, 9, T, 10. Open to juniors and seniors; to sophomores only by permission from the Dean of the College of Law. See course 40, College of Law.

[**Theory of Law.** Second term. Professor HAYES. T, 2. See course 29a, College of Law. Open to juniors and seniors.] Alternate years. Not given in 1915-16.

BIBLIOGRAPHY

[1. **General Bibliography.** First term, credit two hours.] Not given in 1915-16.

2. **Applied Bibliography.** Second term. T Th, 12.

MUSIC

1. **Elementary.** Throughout the year. Professor DANN. T, 7:15 P. M. Th, 4:45 P. M.

[2. **Intermediate.** Throughout the year, credit two hours a term. Professor DANN.] Not given in 1915-16.

3. **Choral.** Throughout the year, credit one hour a term. Professor DANN. First term, Th, 7:15 P. M.; second term, M W, 7:15 P. M.

4. **Advanced Choral.** Throughout the year. Professor DANN. M, 7:15; T, 4:45; Sunday, 2:40.

10. **Harmony.** Prerequisite course 2 or the equivalent. Throughout the year. Mr. QUARLES. M W, 4.

11. **Advanced Harmony and Composition.** Open to students who have completed course 10. To others equally qualified. Throughout the year. Mr. QUARLES. M W, 3.

12. **History and Appreciation of Music.** Throughout the year. Mr. QUARLES. M W, 2.

MATHEMATICS

1. **Solid Geometry.** Repeated in second term. First term, T Th S, 10; second term, M W F, 10.

2. **Advanced Algebra.** Repeated in second term. Daily exc. S, 9.

2 (E). **Advanced Algebra.** First term. M W F, 9.

3. **Plane Trigonometry.** Repeated in second term. First term, M W F, 10; second term, T Th S, 10.

5. **Analytic Geometry and Calculus.** For students in the College of Civil Engineering. Prerequisite courses 1, 2, and 3, or their equivalent.

5 (1). First term, daily except S. Repeated in the second term.

5 (2). A continuation of the work of 5 (1). First term, daily. Repeated in the first term of the following year.

6. **Analytic Geometry and Calculus.** For students in Sibley College. Prerequisite courses 1, 2, and 3, or their equivalent.

6 (1). First term, daily. Repeated in the second term.

6 (2). A continuation of the work of 6 (1). Second term, daily.

7. **Analytic Geometry and Calculus.** Throughout the year. Prerequisite courses 1, 2, and 3, or their equivalent.
 7 (1). First term, daily except S; Repeated in the second term.
 7 (2). A continuation of the work of 7 (1). Second term, daily except S.
8. **Analytic Geometry and Calculus.** For students in the College of Architecture. Throughout the year. Prerequisite courses 1, 2, and 3, or their equivalent. Sec. 1, M W F, 8. Sec. 2, T Th S, 8.
15. **Elementary Course in Higher Mathematics.** Throughout the year. Prerequisite courses 1, 2 and 3, or their equivalent. Assistant Professors CARVER, RANUM, and HURWITZ, and Dr. SILVERMAN. M F, 3.
18. **Problems in Mathematics.** Throughout the year. Prerequisite course 7 or its equivalent. Dr. BURGESS. T Th S, 11.
20. **Teachers' Course.** Throughout the year. M W F, 10. Dr. McKELVEY.
24. **Theory of Equations.** Second term, credit three hours. Prerequisite course 7 or its equivalent. Professor TANNER.
41. **Elementary Differential Equations.** Throughout the year. Prerequisite course 7 or its equivalent. Dr. OWENS. T Th S, 9.
42. **Advanced Calculus.** Throughout the year, credit three hours a term. Prerequisite course 7 or its equivalent. Dr. CRAIG. Lectures and recitations.
47. **Integral Equations.** Throughout the year, credit three hours a term. Prerequisite course 42 or its equivalent. Assistant Professor HURWITZ.
61. **Projective Geometry.** Throughout the year. Prerequisite course 7 or its equivalent. Assistant Professor GILLESPIE. M W F, 9. Lectures and recitations.
62. **Advanced Analytic Geometry.** Throughout the year. Prerequisite course 7 or its equivalent. Dr. SILVERMAN. T Th S.
63. **Analytic Geometry of Space.** First term, credit three hours. Prerequisite course 7 or its equivalent. Professor SNYDER.
64. **Geometry of Algebraic Surfaces.** Second term, credit three hours. Prerequisite courses 7, 61, 62, and 63. Professor SNYDER.
83. **Theory of Probabilities.** Throughout the year, credit two hours a term. Professor McMAHON.
84. **Mechanics.** Second course. Throughout the year, credit three hours a term. Dr. SLEPIAN.
85. **Vector Analysis.** Throughout the year, credit two hours a term. Prerequisite course 7, and a knowledge of elementary physics. Assistant Professor SHARPE.

ASTRONOMY

1. **General Astronomy.** First term. Assistant Professor LELAND. M W F, 12.
2. **Observations.** Second term, credit one hour. Prerequisite course 1. Assistant Professor LELAND.

PHYSICS

2. **Introductory Experimental Physics.** Repeated in second term, credit five hours. Three lectures and two classroom periods a week. Lectures: T Th S, 9; M W F, 11. Professors NICHOLS, MERRITT, and SHEARER, and Assistant Professor GIBBS. Class room work: Assistant Professor GIBBS and Messrs. ANDERSON, BLACKIURN, BOWN, HOWES, MALLORY, MURDOCK, REICH, RODGERS, SCHELLENG, SWISHER, and WEEKS.
3. **Introductory Experimental Physics.** Primarily for students in Sibley College. Repeated in second term, credit six hours. Three lectures and three class room periods each week. Lectures: T Th S, 9; M W F, 11. Professors NICHOLS, MERRITT, and SHEARER, and Assistant Professor GIBBS. Class room work: Assistant Professor GIBBS, and Messrs. ANDERSON, BOWN, HOWES, MALLORY, REICH, RODGERS, and SWISHER.
- 4a. **General Physics.** Primarily for Arts students. Class room work. First term, credit three hours. Prerequisite course 2 or 3. Assistant Professor GIBBS. M W F, 8.
- 4b. **General Physics.** Primarily for Arts students. Class room work. Second term. Prerequisite course 2 or 3. Assistant Professor GIBBS. M W F, 8.
7. **General Physics.** Primarily for civil engineers. Classroom work. Repeated in second term, credit three hours. Prerequisite course 2. Messrs. MURDOCK, MALLORY, and SWISHER.
8. **Properties of Matter, Electrostatics, and Magnetism.** Primarily for mechanical engineers. Repeated in second term. Prerequisite course 3, also analytical geometry and the calculus. Assistant Professor RICHTMYER and Messrs. KING, BIDWELL, BROWN, GERMANN, GIBSON, PIDGEON, and POWER. First term: M W, T Th, or W F. Second term, T Th, 10.
9. **Current Electricity and Heat.** Primarily for mechanical engineers. Repeated in second term. Prerequisite course 8 and the first term of 14. Instructing staff as in course 8. First term, T Th, 10. Second term, M W, T Th, or W F.
- [9c. **Current Electricity and Heat.** First term, credit two hours. For candidates for B. Chem.] Not given in 1915-16.
10. **Introductory Physical Experiments.** Either term or throughout the year, credit one to four hours a term. May be elected by students that are taking or have completed course 2, 3, or 7

Assistant Professor RICHTMYER, and Messrs. MAYER, GIBSON, and POWER. S, 8-10:30 and 10:30-1; M T Th F, 2-4:30.

12. **Physical Experiments.** Either term or throughout the year, credit one to four hours a term. Prerequisites at least eight hours of physics, taken from courses, 2, 3, 4, 7, and 10, or the equivalent. Assistant Professor RICHTMYER, T Th, 8-11, 9-12, 10-1. Primarily for Arts students.

14. **Physical Experiments.** Primarily for candidates for B.Chem., C.E., and M.E. Either term or throughout the year, credit one to eight hours a term. Prerequisite courses 2 and 7, or 2 and three hours of 10. May be taken by students that are taking courses 8 and 9. Assistant Professor RICHTMYER, and Messrs. BIDWELL, BROWN, GERMANN, GIBSON, KING, PERKINS, PIDGEON, POWER, and SCHELLENG. M, 9-12; W, 10-1; F, S, 8-11; M T Th F, 2-5.

17. **Practice Course for Teachers.** Second term, credit three hours. Prerequisite course 2, and two hours of 10 or the equivalent. Assistant Professor GIBBS.

18. **Theory and Practice of Photography.** Repeated in second term, credit two hours. Prerequisite, Chemistry 1 and Physics 2. Professor MOLER and Miss SEVERANCE. Lecture, T, 4, and one three-hour laboratory period weekly; M Th F, 2-5, or W Th, 9-12.

19. **Advanced Photography.** Repeated in second term, credit two hours. Prerequisite courses 2, 10 or 14, and 18. Professor MOLER.

20. **Heat.** First term. Assistant Professor BLAKER. M T W Th F, 10.

[21. **Light.** Second term, credit five hours. Assistant Professor BLAKER.] Not given in 1915-16.

22. **Electricity and Magnetism.** Second term. Assistant Professor BLAKER. M T W Th F, 10.

[23. **Properties of Matter.** First term, credit five hours. Assistant Professor BLAKER.] Not given in 1915-16.

[24. **Sound.** Second term, credit two hours. Assistant Professor BLAKER.] Not given in 1915-16.

25. **Advanced Laboratory Practice.** Either term or throughout the year. Credit one to three hours a term. Assistant Professor BLAKER.

26. **Photometry and Illumination.** Repeated in second term, credit one to four hours a term. Prerequisite course 14. Assistant Professor RICHTMYER.

27. **Advanced Photometry and Illumination.** Repeated in second term, and throughout the year. Credit, two to six hours a term. Prerequisite course 26. Assistant Professor RICHTMYER.

28. **Spectrophotometry.** Repeated in second term, credit two to four hours. Prerequisite course 14. Assistant Professor RICHTMYER.

33. **Alternating Currents.** First term. Prerequisite courses 1, 6 or 10, and 14. Professor BEDELL. T Th, 11.

34. **Electrical Laboratory.** Either term or throughout the year, credit as arranged. Prerequisite courses 2, 6 or 10, and 14. Professor BEDELL and Mr. BOWN. Daily 9-1. Primarily for seniors.

35. **Advanced Electrical Laboratory.** Either term or throughout the year, credit as arranged. Prerequisite courses 2, 6 or 10, and 14. Professor BEDELL and Mr. BOWN. Primarily for graduates.

36. **Advanced Alternating Currents.** Throughout the year, credit one or more hours a term. Prerequisite courses 2, 6 or 10, 14, 33. Professor BEDELL. For graduates only.

37. **Theses in Applied Electricity.** Second term, or throughout the year, credit two to eight hours a term. Prerequisite courses 2, 6 or 10, and 14. Professor BEDELL.

39. **Design and Construction of Apparatus for Research.** First term, credit two hours. Professor MOLER. Primarily for graduates.

40. **Recent Advances in Experimental Physics.** Throughout the year. Professor MERRITT, F, 12.

40a. **Electric Waves and Oscillations.** Second term. Laboratory. Credit two to four hours Professor MERRITT. Prerequisites ordinarily course 14 and one term of course 40.

[41. **Fluorescence and Phosphorescence.** First term, credit one hour. Prerequisite course 10 or 14. Professor NICHOLS.] Not given in 1915-16.

[42. **History of Physics in the 19th Century.** Second term, credit one hour. Prerequisite 2. Professor NICHOLS.] Not given in 1915-16.

42a. **History of the Electric Transmission of Intelligence.** Second term, credit one hour. Prerequisite course 2. Professor NICHOLS. S, 12.

[43. **Photometry and the Physics of Illumination.** First term, credit two hours. Prerequisite courses 10 or 14. Professor NICHOLS.] Not given in 1915-16.

44. **X-Ray Photography.** Second term, credit two hours. Prerequisite courses 2 and 10. Professor SHEARER.

45. **Radioactivity and Allied Phenomena.** Throughout the year, credit three hours a term. Professor SHEARER.

46. **Voltaic Cells and Storage Batteries.** First term. Dr. GERMANN. S, 12.

50. **Physics Seminary.** Throughout the year, credit two hours a term. Professor NICHOLS.

51. **Theoretical Physics.** Throughout the year, credit four hours a term. Professor MERRITT. Primarily for graduates.

[52. **Theoretical Physics.** Throughout the year, credit four hours a term. Professor MERRITT. Primarily for graduates.] Not given in 1915-16.

54. **Thermodynamics.** Throughout the year, credit two or four hours a term. Prerequisite courses 2, 6 or 10, 14 and Mathematics I. Professor TREVOR.

CHEMISTRY

INTRODUCTORY INORGANIC CHEMISTRY

1. **Introductory Inorganic Chemistry.** Lectures, recitations, and laboratory. Repeated in second term, credit six hours.

1a. Lectures, M W F, 11, Professor DENNIS and Mr. MCCOY; M W F, 12, Professor BROWNE and Mr. MCCOY.

1b. Recitations (one hour a week to be arranged). Laboratory: first term, M F, 2-4:30. T Th, 2-4:30; W, 2-4:30 and S, 8-10:30; second term, M F, 2-4:30; T Th, 2-4:30; W, 2-4:30 and S, 8-10:30, M W, 8-10:30. Professors DENNIS and BROWNE, Dr. WELSH and Messrs. OVERMAN, KIRK, CRAGWALL, POLLARD, SCHNEDEKER, TRESSLER, and JENKS.

ANALYTICAL CHEMISTRY

6. **Qualitative and Quantitative Analysis.** Repeated in second term. Prerequisite course 1. Dr. LEMON, and Messrs. RAY, ELLEY, SMITH, BOHALL, MOODY, THURSTON, and ERSKINE. Lectures T Th, 12. Laboratory: M W F, 2-5; T Th S, 8-11; T Th S, 9-12.

7. **Qualitative Analysis.** Repeated in second term. Prerequisite course 1. Dr. LEMON, and Messrs. ELLEY and SMITH. Lectures: T Th, 9. Laboratory: first term, M W, 2-5, S, 8-12; second term, T Th, 2-5, S, 8-12.

9. **Advanced Qualitative Analysis.** Repeated in second term, credit one, two, or three hours. Prerequisite courses 7, 12, and 30. Dr. LEMON. For graduates and advanced undergraduates.

12. **Quantitative Analysis, Elementary Course.** Repeated in second term. Prerequisite course 6 (or preferably 7). Assistant Professor LUNDELL and Messrs. COOLEY, KOLLER, KNAPP, and ——. Lectures, first term, T Th, 9; second term, T Th, 8.

Laboratory: first term, M T Th S, 9-1; M T W Th, 2-5:30; second term, same hours as course 14.

14. **Quantitative Analysis, Advanced Course.** Repeated in second term. Prerequisite course 6 (or 7 and 12). Assistant Professor LUNDELL, and Messrs. COOLEY, KOLLER, and KNAPP.

Laboratory: first term, M T W Th, 2-5:30; M T Th S, 9-12:30; second term, M T W Th F, 2-5; T Th S, 9-12:30. Required of candidates for the degree of Bachelor of Chemistry.

15. **Quantitative Analysis, Advanced Lectures.** Second term. Prerequisite course 6 (or 7 and 12). Assistant Professor LUNDELL. M W, 10.

16. **Electrochemical Analysis.** Repeated in second term, credit one to three hours. Prerequisite course 6 (or 7 and 12). Assistant Professor LUNDELL and Mr. COOLEY.

Laboratory: first term, T Th, 2-5:30; second term, T Th, 2-5; S, 9-12:30

17. **Opticochemical Methods.** Second term, credit three hours. Prerequisite course 6 (or 7 and 12); Physics 2 and 10. Assistant Professor ANDERSON and Messrs. ENGELDER and THOMPSON. Lectures, T Th, 9. Laboratory M T W Th F, 2-5; T F, 10-1.

18. **Assaying.** First term, credit three hours. Prerequisite course 6 (or 7 and 12), and if possible a course in mineralogy. Assistant Professor LUNDELL and Mr. KOLLER. Lecture F, 10. Laboratory, M W, 2-5.

19. **Qualitative and Quantitative Gas Analysis.** Lectures. Repeated second term, credit two hours. Prerequisite course 6 (or 7) and Physics 2. Assistant Professor ANDERSON. M W, 11.

20. **Technical Gas Analysis.** Laboratory. Repeated second term, credit two hours. Prerequisite course 6 (or 7) and Physics 2. Open to those who are taking course 19. Assistant Professor ANDERSON, and Messrs. ENGELDER, NETZEN, and STRATTON. Laboratory: first term, M, 2-4:30, and Th, 10-12:30; T, 10-12:30, and 2-4:30; W, 2-4:30, and F, 10-12:30; Th, 2-4:30, and S, 8-10:30; second term, M W, 2-4:30; T Th, 9-11:30; T Th, 2-4:30; S, 8-1.

21. **Gas Analysis.** Advanced course. Repeated in second term, credit one to four hours. Prerequisite courses 1, 6 (or 7 and 12), 19, and 20; Physics 2 and 6. Assistant Professor ANDERSON. For seniors and graduate students.

ORGANIC CHEMISTRY

30. **Organic Chemistry.** Throughout the year, credit six hours a term. Prerequisite course 6 (or 7 and 12). Open to those who are taking course 12. Professor ORNDORFF, Mr. MAHOOD, and Messrs. ROSE, KENNEDY, SHERWOOD, and FREDERIKSEN. Lectures and written reviews, M W F, 9. Laboratory: M T, 1-5:30; F, 1-5:30; and S, 8-12:30.

31. **Organic Chemistry.** Throughout the year. Prerequisite course 6 (or 7 and 12). Open to those who are taking course 12. Professor ORNDORFF and Messrs. KENNEDY and SHERWOOD. M W F, 9.

32. **Elementary Organic Chemistry.** First term, credit four hours. Prerequisite course 6 (or 7 and 12). Open to those who are taking course 12. Mr. MAHOOD and Messrs. ROSE, KENNEDY, and FREDERIKSEN. Lectures, M W F, 12. Laboratory, T or Th, 2-5.

33. **Special Chapters in Organic Chemistry.** Throughout the year. Prerequisite course 30. Professor ORNDORFF and Mr. FREDERIKSEN. T Th, 9.

34. **Advanced Organic Chemistry.** Laboratory practice. Throughout the year, credit two to six hours a term. Open to those who have had course 30 and are taking 33. Professor ORNDORFF, Mr. MAHOOD, and Messrs. ROSE, KENNEDY, and SHERWOOD.

35. **The Coal Tar Dyestuffs.** First term. Open to those who have had course 30 and have had or are taking 33. Professor ORNDORFF. Lectures, Th, 12.

[36. **Stereochemistry.** Second term, credit one hour. Prerequisite course 30 or 31. Professor ORNDORFF.] Not given in 1915-16.

37. **Methods of Organic Analysis.** Throughout the year, credit two to six hours a term. Prerequisite course 30. Professor ORNDORFF and Mr. MAHOOD.

INORGANIC CHEMISTRY

46. **Advanced Inorganic Chemistry.** Throughout the year. Prerequisite course 30, and open to those who have completed or are taking courses 50 and 51. Professors DENNIS and BROWNE, and Mr. BRIDGMAN. Lectures, T Th, 11.

47. **Advanced Inorganic Chemistry.** Laboratory practice. Either term, credit, two, three, or four hours. Prerequisite course 30. Professors DENNIS and BROWNE, and Mr. BRIDGMAN.

[48. **Selected Topics in Advanced Inorganic Chemistry.** Lectures. Throughout the year, credit two hours a term. Prerequisite course 30. Courses 50 and 51 should precede or accompany this course. First term, Professor BROWNE. Second term, Dr. WELSH. Open to seniors and graduate students in chemistry; to others only by special permission.] Not given in 1915-16.

[49. **Chemistry of Gases.** First term, credit one hour. Prerequisite course 6 or (7 and 12), and should be preceded or accompanied by 19 and 20. Assistant Professor ANDERSON. F, 11.] Not given in 1915-16.

PHYSICAL CHEMISTRY

50. **Introductory Physical Chemistry.** Throughout the year. Prerequisite course 30, and Physics 2 and 10. Assistant Professor BRIGGS and Messrs. BENNETT and BLUE. M W F, 9.

51. **Physical Chemistry Laboratory.** Throughout the year. Open only to those who have taken or are taking course 50. Assistant Professor BRIGGS and Messrs. BENNETT and BLUE. Two laboratory periods a week, M T, 2-5; Th F, 2-5.

52. **Advanced Physical Chemistry.** Lectures. Throughout the year. Prerequisite course 50. Professor BANCROFT. M W F, 10.

53. **Colloid Chemistry.** Lectures. Throughout the year. Professor BANCROFT. T Th, 10.

[55. **Theoretical Electrochemistry.** Lectures. Throughout the year, credit three hours a term. Professor BANCROFT.] Not given in 1915-16.

56a. **Applied Electrochemistry.** Lectures. Throughout the year. Prerequisite course 6 or 7 and 12. Assistant Professor BRIGGS and Mr. MACK. M W, 12.

56b. **Applied Electrochemistry.** Throughout the year. Open to those who have had 50 and 51, and have taken or are taking 56a. Assistant Professor BRIGGS and Mr. MACK. Laboratory practice: T, 8-10; W, 8-11; W, 2-5; Th, 8-10.

57. **Advanced Laboratory Practice.** Either term or throughout the year. Credit up to six hours a term. Prerequisite courses determined in each case by the professor in charge. Professor BANCROFT, Assistant Professor BRIGGS, and Messrs. MACK, BENNETT, and BLUE.

CHEMICAL MICROSCOPY

65. **Microchemical Methods.** Repeated in second term, credit two hours. Prerequisite course 6 (or 7 and 12). Professor CHAMOT and Mr. COLE.

66. **Microchemical Analysis.** Second term, credit three or more hours. Prerequisite course 65. Professor CHAMOT and Mr. COLE.

67. **Microchemical Analysis.** Repeated in second term, credit two or more hours. Prerequisite course 66. Professor CHAMOT.

68. **Microscopy of Materials of Construction.** Second term, credit two hours. Prerequisite courses 50 and 65. Laboratory practice at hours to be arranged. Professor CHAMOT and Mr. COLE.

SANITARY CHEMISTRY

69. **Elementary Sanitary Chemistry.** Throughout the year, credit five hours a term. Prerequisite course 6 (or 7 and 12), and course 32 (or 30, or 31). Professor CHAMOT, Dr. REDFIELD, and Mr. GEORGIA.

[70. **Special Topics in Food Examination.** First term. Prerequisite course 69. Dr. REDFIELD. Lectures, T Th, 12] Not given in 1915-16.

[72. **Microscopic Examination of Foods.** Second term, credit two or more hours. Prerequisite course 65. Professor CHAMOT and Mr. COLE.] Not given in 1915-16.

75. **Special Topics in Water Examination.** Second term. Prerequisite course 69. Professor CHAMOT. Lectures, T Th, 12.

78. **Advanced Sanitary Chemistry.** Throughout the year, credit two or more hours a term. Prerequisite course 69. Professor CHAMOT and Dr. REDFIELD.

[80. **Toxicology.** First term, credit two hours. Prerequisite course 30. Professor CHAMOT. Not given in 1915-16.

AGRICULTURAL CHEMISTRY

85. **Agricultural Chemistry.** Repeated in second term. Prerequisite course 1. Professor CAVANAUGH and Messrs. RICE and FLYNN. Lectures, T Th S, 11. One recitation a week: first term, T, 8; F, 9; second term, M, 8; T, 10; W, 8; Th, 8; F, 8 and 9.

85a. **Agricultural Chemistry, Laboratory Course.** Repeated in second term. Prerequisite courses 1, 6, 85. Professor CAVANAUGH and Mr. RICE. T Th, 2-4.30. Designed to accompany course 85.

86. **Agricultural Chemistry, Advanced Course.** First term. Prerequisite course 85a. Professor CROSS. Lectures, T Th, 9.

87. **Agricultural Chemistry, Laboratory Course.** First term. Professor CROSS and Mr. RICE. T Th, 2-5, S, 9-12. Designed to accompany course 86.

88. **Agricultural Chemistry, Laboratory Course.** Second term. Professor CROSS and Mr. RICE. T Th, 2-5, S, 9-12. Designed to accompany course 89.

89. **Agricultural Chemistry, Advanced Course.** Second term. Prerequisite course 85a or 93. Professor CROSS. Lectures, T Th, 9.

90. **Advanced Agricultural Analysis.** Repeated in second term. Prerequisite courses 86 and 87 (or 88 and 89). Professor CAVANAUGH, or Professor CROSS. Credit and hours to be arranged.

92. **Household Chemistry.** Second term, credit two hours. Prerequisite courses 1, 6, and 32. Professor CAVANAUGH. Lectures, W, F 9.

93. **Household Chemistry, Laboratory Course.** Second term. Professor CAVANAUGH and Mr. RICE. T Th S, 8-10.30. Designed to accompany course 92.

SEMINARY

95. **Seminary.** Credit one hour. For seniors who are candidates for the degree B.Chem.

RESEARCH

96. **Research for Undergraduate Students.** Throughout the year. Seniors who are candidates for the degree B.Chem. are required to elect four hours a term in research under the direction of some member of the staff of instruction.

BOTANY

1. **General Comparative Morphology of Plants.** First term. Professor ATKINSON, Mr. STORK, and assistants. Lectures, M, 11. Laboratory, T Th, 2-4.30.

2. **Elementary Plant Physiology.** Second term. Professor ATKINSON and Mr. STORK. Lectures, M or W, 10. Laboratory W, 11-1; Th, 2-5.

3. **Special Morphology, Taxonomy, and Ecology of the Higher Plants.** Second term, credit three hours. Professor ROWLEE and Mr. ZINSSMEISTER.

4. **Geographical Botany.** Second term, credit two hours. Professor ROWLEE and Mr. ZINSSMEISTER.

5. **Organography and Identification of the Higher Plants.** First term, credit three hours. Prerequisite course 3. Professor ROWLEE and Mr. ZINSSMEISTER. Lectures, S, 9. Laboratory and field work.

7. **Taxonomy and Phylogeny of Angiosperms.** Second term, credit three hours. Professor ROWLEE. Not given in 1915-16.

8a. **Plant Cytology.** First term, credit three hours. Prerequisite courses 1 and 2. Professor ROWLEE and Mr. ZINSSMEISTER. Lectures, F, 9. Laboratory.

8b. **Comparative Histology of Plants.** Second term, credit three hours. Prerequisite course 8a. Professor ROWLEE and Mr. ZINSSMEISTER. Lectures F, 9. Laboratory.

9a. **Dendrology.** First term, credit four hours. Professor ROWLEE and Mr. ZINSSMEISTER. Lectures, T, 10. Laboratory and field work. Open to graduates.

9b. **Xylology.** Second term, credit four hours. Professor ROWLEE and Mr. ZINSSMEISTER. Lectures, T, 10. Laboratory and field work. Open to graduates.

10. **Comparative Morphology and Embryology.** Throughout the year, credit three hours a term. Prerequisite courses 1 and 2 or 3. Professor ATKINSON and Mr. STORK. Open to graduates.

11. **Mycology.** Throughout the year, credit four hours a term. Prerequisite courses 1 and either 2 or 3. Professor ATKINSON and Mr. STORK. Lectures, T Th, 11. Laboratory work, M W afternoons or by appointment. Open to graduates.

12. **Taxonomy of the Pteridophytes, Bryophytes, and Algae.** Throughout the year, credit three hours a term. Mr. —. Open to graduates. Not given in 1915-16.

13. **Research in Morphology and Embryology.** Prerequisite course 10, except by special permission. Professor ATKINSON and Mr. STORK. Open to graduates.

14a. **General Taxonomic Survey of the Fungi.** First term or throughout the year, credit four hours a term. Prerequisite course 11. Professor ATKINSON and Mr. —. Open to graduates.

14b. **Research in Morphology of the Fungi.** Throughout the year, credit four hours a term. Professor ATKINSON and Mr. STORK. Open to graduates.

14c. **Research in Plant Pathology.** Professor ATKINSON and Mr. STORK. Open to graduates.

16. **Research in Taxonomy and Phylogeny of the Angiosperms.** Prerequisite courses 7 and 8. Professor ROWLEE. Open to graduates.

17. **Research in Comparative Histology and Cytology.** Prerequisite courses 8a and 8b. Professor ROWLEE. Open to graduates.

18. **Seminary in Embryology, Mycology, Physiology, etc.** Credit one hour. Professor ATKINSON. W, 5.

19. **Seminary in Comparative Histology and Taxonomy of the Angiosperms.** Credit one hour. Professor ROWLEE. Hours by appointment.

BIOLOGY

BIOLOGY, ENTOMOLOGY, LIMNOLOGY, AND NATURE STUDY

The following courses in the College of Agriculture are likewise considered as regular courses in the College of Arts and Sciences: courses 1, 2, 3, 4, 5, 10, 11, 12, 13, 14, 19, 20, 21, 27-32, 50, 59, 60, 79; also course 1 in the Farm (field work only, credit one hour). See pages 129-130.

ZOOLOGY

1. **General Zoology.** First term, credit five hours. Assistant Professor REED, Dr. ALLEN, and Mr. —. Lectures, M W F, 10, and two laboratory periods a week.

3. **Comparative Anatomy of Veterbrates.** Second term. Assistant Professor REED. M W F, 2-4.30. Prerequisite course 1 or 5.

4. **Comparative Morphology and Phylogeny of Vertebrates.** Second term. Assistant Professor REED. Lectures, M W F, 10. Prerequisites course 1 or 5, 3, 12 or human anatomy.

5. **Systematic Vertebrate Zoology and Ecology.** Throughout the year, credit three hours a term. Dr. WRIGHT and Miss MOESEL. Two laboratory periods a week. Lectures, M, 8.

6. **General Ornithology.** Second term, credit three hours. Dr. ALLEN. Lectures, W, 11. McGraw 5. Laboratory and field work, M W, 2-4.30. or T Th, 2-4.30.

7. **Ichthyology.** Second term, credit three hours. Dr. WRIGHT. Lectures W F, 8. Laboratory, F, 2-4.30. or S, 8-10.30.

[8. **Herpetology.** Second term, credit three hours. Dr. WRIGHT.] Not given in 1915-16.

[9. **Ornithology.** First term, credit three hours. Dr. ALLEN.] Not given in 1915-16.

10. **Mammalogy.** First term, credit three hours. Dr. WRIGHT. Lectures, W F, 8. Laboratory, F, 2-4.30. or S, 8-10.30.

11. **Economic Ornithology.** First term, credit three hours. Dr. ALLEN. Lectures, W, 11. Laboratory and field work, T Th, 8-10.30.

12. **Mammalian Anatomy.** Second term, credit three hours. Assistant Professor REED. Lectures, T, 10. Laboratory, T Th, 2-5.

13. **Advanced Work and Research.** Throughout the year.

PHYSIOLOGY AND BIOCHEMISTRY

3. **Elementary Human Physiology.** Repeated in second term. First term, M W F, 10. Professor SIMPSON and assistants. Second term, section A, M W F, 10, Professor SIMPSON and assistants; section B, M W F, 12. Assistant Professor DRESBACH and assistants.

6. **Laboratory Work in Physiology.** Repeated in second term, credit two or more hours. Professor SIMPSON, Assistant Professor DRESBACH, and assistants.

7. **Seminary.** Second term, credit one hour.

8. **Advanced Work and Research in Physiology.** Throughout the year, Professor SIMPSON, Assistant Professor DRESBACH, and assistants. Daily.

14. **Elementary Biochemistry.** First term. Prerequisite Chemistry 32. Assistant Professor SUMNER and assistant. M W F, 12.

14a. **Laboratory Work in Biochemistry.** First term, credit two hours. Assistant Professor SUMNER and assistant.

17. **Special Chapters in Biochemistry.** First term, credit one hour. Prerequisite course 14, or Chemistry 31. Assistant Professor SUMNER and assistant.

18. **Advanced Biochemistry.** Second term. Assistant Professor SUMNER. F S, 9.

18a. **Laboratory Work in Biochemistry.** Second term, credit three hours. Prerequisite Chemistry 32. Assistant Professor SUMNER and assistant.

20. **Advanced and Research Work in Biochemistry.** Throughout the year. Assistant Professor SUMNER. Daily 8-6.

ANATOMY

21. **Elementary Human Anatomy.** First term. Professor KERR and Mr. DAVIS. Lecture demonstrations. M W F, 8.

22. **Anatomical Methods.** First term, credit three hours. Prerequisite Biology 10r Zoology 1. Professor KERR and instructors. Laboratory T, 2-5; and any morning except Saturday.

HISTOLOGY AND EMBRYOLOGY

1. **The Tissues; Histology and Histogenesis.** First term, credit four hours. Professor KINGSBURY and assistants. Lectures, M W, 11. Laboratory, M W, 2-4.30.
2. **The Organs: Histology and Development.** Second term, credit four hours. Prerequisite course 1. Professor KINGSBURY and assistants.
3. **Special Histology and Technique.** First term, credit two hours. Prerequisite courses 1 and 2, or 1 and 4. Mr. KINGERY.
4. **Embryology of Vertebrates.** Second term, credit four hours. Prerequisite course 1. Lectures or recitations, Professor KINGSBURY, M. 11, W, 8. Laboratory, Mr. KINGERY.
5. **The Nervous System and Organs of Special Sense: Histology and Development.** Second term, credit two hours. Prerequisite course 1. Laboratory work with demonstrations and quizzes. Professor KINGSBURY and Mr. —. M, 8-11; W, 2-5.
7. **Advanced Histology and Embryology.** Throughout the year, credit three or more hours a term. Prerequisite courses 1, 2, 3. Laboratory work with conferences at hours to be arranged. Professor KINGSBURY and Mr. KINGERY.
8. **Seminary.** Throughout the year, credit one hour. Prerequisite courses 1, 2.

GEOLOGY

1. **Elementary Geology.** Repeated in second term, credit three hours. Professor RIES and Messrs. MONNETT, HOOK, and ELSTON. Lectures, first term, T Th, 11; second term, T Th, 9. One laboratory period a week.

PHYSICAL GEOGRAPHY

2. **Elementary Physical Geography.** Throughout the year, credit three hours a term. Assistant Professor VON ENGELN and Messrs. ELSTON and THOMPSON. Lectures, M W, 9. One laboratory period a week.
- [3. **Geography of North America.** Throughout the year, credit two hours a term. Assistant Professor VON ENGELN.] Not given in 1915-16.
4. **Geography of Europe.** First term. Prerequisite course 2. Assistant Professor VON ENGELN. T Th, 10.
5. **Glaciers and Glaciation.** Second term, credit three hours. Prerequisite course 2. Assistant Professor VON ENGELN and Mr. ELSTON. Lectures, M W, 11. Laboratory, T, 2-4.30.
8. **Experimental Physiography.** Throughout the year. Professor VON ENGELN and Mr. ELSTON.
9. **Seminary.** Throughout the year, credit two hours a term. For upperclass and graduate students. Assistant Professor VON ENGELN. M, 4.30.
10. **Physiographic Research.** Throughout the year. Assistant Professor VON ENGELN. **Meteorology and Climatology.** See Announcement of the College of Agriculture.

MINERALOGY AND PETROGRAPHY

11. **Elementary Mineralogy.** Repeated in second term, credit three hours; if taken after course 12, credit two hours. Prerequisite Chemistry 1. Professor GILL and Mr. VANDERMEULEN. Lectures M W, 8, and one laboratory period each week.
12. **Crystallography.** Repeated in second term, credit three hours; if taken after course 11, credit two hours. Prerequisite courses Chemistry 6 or 7, Physics 1. Professor GILL and Mr. VANDER MEULEN. Lectures, T Th, 8. Laboratory.
13. **Mineralogy.** Second term, credit three hours; if taken after course 11, credit two hours. Prerequisite course 12. Lectures, M W, 11. Laboratory. Professor GILL and Mr. VANDER MEULEN.
14. **Blowpipe Determination of Minerals.** First term, credit one hour. Prerequisite course 11 or 13 and Chemistry 6 or 7. Professor GILL and Mr. VANDER MEULEN. One laboratory period a week.
15. **General Lithology.** Second term, credit one hour. Prerequisite courses 1 and 11. Professor GILL. Lectures, recitations, and laboratory practice.
16. **Crystal Measurement and Drawing.** Second term, credit two hours. Prerequisite course 12. Professor GILL.
17. **Optical Determination of Minerals.** First term, credit three hours. Prerequisite courses 12, 13. Professor GILL. Lectures, M W, and laboratory.
18. **Petrography.** Second term, credit three hours. Prerequisite courses 1, 12, 13, 17. Professor GILL. Lectures, M W, and laboratory.
19. **Seminary in Mineralogy and Crystallography.** Throughout the year, credit one hour a term. Prerequisite courses 12, 13, 17. Professor GILL.
20. **Advanced or Special Work in Mineralogy and Petrography.** Throughout the year. Professor GILL.

PALEONTOLOGY AND STRATIGRAPHIC GEOLOGY

21. **Historic Geology.** Second term, credit three hours. Prerequisite course 1. Professor HARRIS. Lectures, T Th, 11. Laboratory.

22. **Stratigraphic Geology.** First term till Christmas recess, credit two hours; second term, credit three hours. Prerequisite courses 1 and 21. Professor HARRIS. Lectures, M W F, 11.
23. **Geologic Mensuration.** First term till Christmas recess, credit two hours. Prerequisite Geology 1, 21, and spherical trigonometry. Professor HARRIS and Mr. OLSSON.
24. **Invertebrate Paleontology.** Repeated in second term, credit three hours. Prerequisite a three hour course in biology. Professor HARRIS and Mr. OLSSON. M W, 9.
25. **Paleontology and Stratigraphic Geology and Research.** Course 1 and Biology 1. Professor HARRIS and Mr. OLSSON.
26. **Areal Geology (Summer Field Work).** June and July. Prerequisite courses 1 and 21. Professor HARRIS. Field work daily 8-5. Credit six hours. For those only who are specializing in geology. Expenses from \$25 to \$50.

ECONOMIC GEOLOGY

30. **Building Stones and Clay Products.** First term, credit two hours. Professor RIES and Messts. HOOK and WOLCOTT. Lectures, T, 9. Laboratory, W or F, 2.
31. **Engineering Geology.** Throughout the year, credit three hours a term. Required of civil engineering students. Professor RIES and Messrs. SOMERS and ——. Lectures, M W, 10. One laboratory period a week.
32. **General Economic Geology.** Throughout the year, credit three hours a term. Prerequisite courses 1 and 11. Professor RIES and Mr. SOMERS. Lectures, M W, 11. Laboratory, T, 2, or Th, 2.
33. **Field Examination of Mineral Deposits.** Second term, credit two hours. Prerequisite course 31 or 32. Professor RIES. T Th, 11.
34. **Mining of Mineral Deposits.** Two or three hours a term as the student desires to elect. Mr. SOMERS. Lectures, M W F, 9.
35. **Clay Investigation.** Prerequisite courses Geology 1 or 31, and Chemistry 1 or its equivalent. Professor RIES and Mr. HOOK. Lectures and laboratory work.
36. **Advanced Economic Geology.** Throughout the year. Prerequisite course 32. Professor RIES. Primarily for graduates.
37. **Economic Geology Seminary.** Throughout the year. Professor RIES. Prerequisite course 32.
38. **Experimental Economic Geology.** Prerequisite course 32 and Chemistry 1. Professor RIES and Mr. HOOK.

MILITARY SCIENCE AND TACTICS

1. **Military Training and Instruction as Infantry.** Required in the first year of all four and five year courses. M W F, 4.45. Lieutenant THOMPSON and assistants. See page 172.
2. **Elective Military Training.** Throughout the year, credit two hours a term. M W F, 4.45. Armory. Prerequisite course 1. Lieutenant THOMPSON and assistants.
3. **Military Science and Tactics.** Second term, credit two hours. T Th 12.
4. **Band Music.** Practical and theoretical instruction. Throughout the year. Mr. BRISSETTE. M W F, 4.45, Armory.
5. **Tactics.** Throughout the year, credit one hour a term. M, F, or S, 12.

PHYSICAL CULTURE

1. **Physical Exercises.** Throughout the year. Professor YOUNG and assistants. Three days a week.

For freshmen who, in the judgment of the Director, are physically unfitted for required military drill. Exercises prescribed for individual deformity and immaturity.

2. **Physical Exercises.** Throughout the year. Professor YOUNG and assistants. Three days a week. For freshmen who are allowed to substitute for military drill, and for sophomores who elect work in this department.

3. **Physical Exercises.** Throughout the year, credit one hour a term. Three days a week. For juniors or seniors who have completed the requirements for the first two years. In addition to other exercises, notes must be submitted on lectures given on the physiology of exercise, preventive diseases, personal hygiene, etc.

4. **Physical Exercises.** Throughout the year, credit one hour a term. Three days a week. For seniors only, who have completed course 3.

5. **Boxing, Wrestling, and Fencing.** Throughout the year, daily except Saturday. Messrs. SHEVLIN, O'CONNELL, and GELAS. A special fee of \$5.00 a term is charged for instruction in each branch.

6. **Physical Test.** To be passed by every student registered in Physical Culture.

10. **Physical Training for Women.** Throughout the year. Miss CANFIELD. Sage Gymnasium. Daily except Saturday. Required of freshmen and sophomores.

11. **Advanced Gymnastics.** Throughout the year, credit two hours. Prerequisite course 10. Miss CANFIELD.

12. **Corrective Gymnastics.** Throughout the year. Miss CANFIELD.

COLLEGE OF LAW

For detailed information concerning the work of the College of Law, candidates for admission to that college should consult the Announcement of the College of Law which will be sent gratis on application to the Secretary of the University.

FACULTY OF THE COLLEGE OF LAW

- JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President of the University.
FRANK IRVINE, B.S., LL.B., Dean of the College and Professor of Practice and Procedure. Absent, first term, 1915-16.
EDWARD HAMLIN WOODRUFF, LL.B., Professor of Law; Acting Dean.
ALFRED HAYES, A.M., LL.B., Professor of Law.
CHARLES TRACY STAGG, LL.B., Professor of Procedure and Secretary of the College.
CHARLES KELLOGG BURDICK, A.B., LL.B., Assistant Professor of Law.
GEORGE GLEASON BOGERT, A.B., LL.B., Assistant Professor of Law.
DEWITTE B. WYCKOFF, LL.B., Acting Assistant Professor of Law.
WILLIAM MACOMBER, A.B., of the Buffalo, N. Y. Bar, Author of the Fixed Law of Patents, Lecturer on the Patent Laws of the United States.
JAMES WHITE PERSONS, LL.B., Referee in Bankruptcy, Buffalo, N. Y., Lecturer on the United States Bankruptcy Act.
JUDGE HARRINGTON PUTNAM, A.B., LL.B., Brooklyn, N. Y., of the Appellate Division of the Supreme Court, Second Judicial Department. Lecturer on the Law of Shipping and Admiralty.

EDWARD ECKER WILLEVER, Librarian.

THE DEGREE OF BACHELOR OF LAWS

The undergraduate instruction for students in the College of Law leads to the degree LL.B., the requirement for which is the completion of one of the following curricula.

1. The curriculum of four years, for students who have only the preparation afforded by high schools and preparatory schools.
2. The curriculum of three years, designed for college graduates or for those who have completed at least one year of college work.
3. The curriculum of six years, leading to the degree of A.B. and LL.B.

For the requirements in military science and tactics and in physical culture, see page 172.

For admission to the College of Law, see page 38; for tuition in the College of Law, see page 45.

Admission to Advanced (Junior) Standing

Applicants for admission to junior standing must be at least nineteen years of age. They must satisfy the requirements for admission to the three year curriculum, and must pass a satisfactory examination in the work of the first year of that curriculum. The work of the junior and senior years must be pursued in actual residence in the College of Law.

Advanced Standing in the Curriculum of Four Years. Minimum age requirement, eighteen years. The second year of this curriculum may be antici-

pated by applicants who have not had a year of college work but who nevertheless are able at the time of admission to pass satisfactory examinations in the work of the first year of the three year curriculum.

Admission as Special Students

Applicants who are twenty-one years of age may, in the discretion of the Faculty, be admitted to the College as special students not candidates for a degree, provided they present the New York Regents' Law Student Certificate or a substantial equivalent. The privilege will be granted only upon written application specifying the age of the applicant and the amount of preparatory study or of previous law study, and accompanied, if practicable, with certificates from the preparatory school, law school, or attorney under whose direction such studies have been pursued. New York students will not be admitted as special students unless they present a Regents' Law Student Certificate. Special students may be admitted as candidates for a degree if they satisfy the entrance requirements before the beginning of their second year in the College.

Admission of Students from Other Colleges of the University

Subject to the regulations of the college in which he is registered, and of the College of Law, a student from another college of the University may elect work in the College of Law; but he is not permitted to do so before the beginning of his junior year, except upon presentation of special reasons to the Dean of the Law Faculty. Work permitted to be taken in the College of Law may be counted towards the law degree.

Under the regulations of the College of Arts and Sciences, a qualified senior may take all of his work in the College of Law, receiving the degree of A.B. at the end of the year and at the same time completing the work of the first year of the three year curriculum in the College of Law; by two additional years of residence in the College of Law, he will be able to satisfy the requirements for the degree of LL.B.

THE CURRICULUM OF FOUR YEARS

First or Freshman Year

2. **Torts (including Master and Servant).** Three hours. Professor HAYES.

Elementary Economics. (College of Arts and Sciences, Political Science 51.) Three hours. Assistant Professors BLAKEY and USHER, Dr. SMITH and Mr. GILMAN.

English History to 1509. (College of Arts and Sciences, History 31.) First term. Three hours. Professor LUNT.

English Constitutional History to the Sixteenth Century. (College of Arts and Sciences, History 33.) Second term. Three hours. Prerequisite, History 31. Professor LUNT.

Electives. Subjects in the College of Arts and Sciences. Six or seven hours each term. All electives are subject to the approval of the Dean of the College of Law.

Second or Sophomore Year

1a. **Contract.** Four hours until the Spring recess. Professor WOODRUFF.
[Courses 1a and 1b constitute a continuous course and registration must be for the entire year.]

1b. **Agency.** Four hours from the Spring recess. Professor WOODRUFF.

3. **Criminal Law and Procedure.** First term. Four hours. Professor BURDICK.

4. **Property I.** Three hours. Assistant Professor BOGERT.

5. **Civil Procedure.** Second term. Four hours. Professor IRVINE.

6. **Brief Making.** One hour. Professor STAGG.

Electives. Subjects in Arts and Sciences. Three to six hours each term. All electives are subject to the approval of the Dean of the College of Law.

Third or Junior Year

20. **Property II.** First term. One hour. Assistant Professor BOGERT.

20a. **Sales.** First term. Three hours. Assistant Professor BOGERT.

21. **Partnership.** Second term. Two hours. Professor BURDICK.

22. **Probate Law.** First term. Three hours. Professor STAGG.

- 23. **Equity Jurisdiction.** Three hours. Professor HAYES.
 - 24. **Insurance.** Second term. Two hours. Professor WOODRUFF.
 - 25. **Domestic Relations and the Law of Persons.** First term. Two hours. Professor BURDICK.
 - 26. **Evidence.** Second term. Four hours. Professor IRVINE.
 - 28. **Civil Procedure.** First term. Three hours. Acting Assistant Professor WYCKOFF.
 - 28a. **Procedural Papers.** Second term. Two hours. Professor STAGG.
 - 29. **Damages.** Second term. One hour. Assistant Professor BOGERT.
 - 29a. **Theory of Law.** Second term. One hour. Professor HAYES. Alternate years, not given in 1915-16. Elective for juniors and seniors.
- Electives.** [Not required.] Not to exceed three hours in Arts and Sciences for students whose second year work has been satisfactory.

Fourth or Senior Year

- 30. **Mortgages.** Second term. Two hours. Professor STAGG.
- 31. **Suretyship.** Second term. Two hours. Professor BURDICK.
- 32. **Private Corporations.** First term. Four hours. Acting Assistant Professor WYCKOFF.
- 33. **Quasi-Contracts.** First term. Two hours. Professor WOODRUFF.
- 34. **Carriers and the Law of Public Service.** Second term. Three hours. Professor BURDICK.
- 35. **Negotiable Paper.** First term. Three hours. Professor BURDICK.
- 36. **Constitutional Law.** First term. Two hours. Professor HAYES.
- 37. **Civil Procedure.** First term. Four hours. Professor STAGG. Seniors who do not intend to take the New York Bar Examination may omit course 37, but those availing themselves of this privilege are required to substitute course 37a together with such other elective work as will in the opinion of the Dean constitute a substantial equivalent.
- 37a. **Jurisdiction and Procedure of the Federal Courts.** First term. One hour. Professor IRVINE. Elective for Seniors.
- 38. **Property III.** Second term. Two hours. Assistant Professor BOGERT.
- 38a. **Trusts.** Second term. Two hours. Assistant Professor BOGERT.
- 40. **Public Officers and Municipal Corporations.** Second term. Two hours. Professor HAYES.
- 41. **Conflict of Laws.** Second term. Two hours. Professor STAGG. Elective for seniors. Elective. See course 29a.

THE CURRICULUM OF THREE YEARS

First Year. 1a. Contract; 1b. Agency; 2. Torts; 3. Criminal Law and Procedure; 4. Property I; 5. Civil Procedure; 6. Brief Making.

Second or Junior Year. Same as Third Year of the Four Year Curriculum.

Third or Senior Year. Same as Fourth Year of the Four Year Curriculum.

SPECIAL COURSES OF LECTURES BEFORE THE COLLEGE OF LAW

ATTENDANCE REQUIRED OF JUNIORS AND SENIORS

The Patent Laws of the United States. Twelve lectures. Mr. MACOMBER.

The Law of Shipping and Admiralty. Six lectures. Judge PUTNAM.

The Federal Bankruptcy Act. Ten lectures. Mr. PERSONS.

Mining and Irrigation Law. Ten lectures.

Each of the above courses is given in alternate years.

SPECIAL LECTURES

Provision has also been made by the College of Law for several special lectures to be given from time to time during the year by eminent members of the bar upon topics of immediate interest. There is also delivered each year at least one lecture on the Frank Irvine Foundation, a fund created in 1913 by the Conkling Chapter of the Phi Delta Phi Fraternity and presented to the University for the purpose of securing occasional lectures by prominent lawyers.

ELECTIVES IN THE COLLEGE OF ARTS AND SCIENCES

In addition to the courses in the College of Arts and Sciences that law students are required to take in the first year of the four year curriculum, all other

courses in the College of Arts and Sciences are open to law students, subject to the regulations of that college and to the prior demands of the regular schedule of professional courses in the College of Law.

EXAMINATION AND CLASS STANDING

Examinations are held at the end of the term in the work of that term, and in September for the removal of conditions. The following grades are given upon examinations: A, excellent; B, good; C, fair; D, poor; Cond., failure to pass. AA may be given for a paper of exceptional excellence. A student pursuing five subjects in any term must pass at least three of them, and a student pursuing less than five subjects must pass at least two of them (exclusive in each case of Brief Making). A student having conditions in four term subjects at the end of the first year of the three year curriculum, or at the end of the first or of the second year of the four year curriculum, cannot take September or other examinations to remove them unless he has, in an equal number of subjects, credits of the grade of A or B; if he does not meet this requirement he must repeat the work of the year in which such conditions were received. A student having conditions in four term-subjects at the end of the second year in the three year curriculum, or at the end of the third year in the four year curriculum, cannot take examinations to remove them, or be considered a candidate for a degree unless he has in an equal number of subjects credits of the grade of A or B. No senior who receives more than one condition in the work of either term of the senior year will be permitted to take a special examination, and no senior may take more than one special examination in the same senior subject. In computing the number of subjects passed, Property II and Sales count as one course in the junior year, and Property III and Trusts as one course in the senior year.

All conditions received during the first, second, or third year of the four year curriculum, or the first or second year of the three year curriculum, must be removed the following September. A failure in a September examination may be made up at the next regular term examination, but no more than two re-examinations will be allowed in any subject, and an unexcused neglect to try a September examination counts as one re-examination. A senior who after the September examination has more than two conditions still standing against him will not be considered a candidate for graduation in that year.

A student failing for the first time to maintain the standard required for remaining in the College will ordinarily be permitted to return the following year and repeat the entire work of the term during which the failure occurred. If he fails a second time in the work of that or another term he will be permanently dropped. A student will also be permanently dropped if after the beginning of his junior year he has been placed on probation for neglect of or failure in work and thereafter fails to maintain the standard required for remaining in the college. Irregular attendance or neglect of work may be sufficient cause for the removal of a student from the College at any time, and a student may be excluded from any examination because of irregular attendance or neglect of work in the course in which the examination is given.

PRACTICE DEPARTMENT

The curriculum of the College of Law is not confined to instruction in the principles of substantive law; on the contrary, several courses are offered in the principles of pleading, and in the general and fundamental rules of practice in accordance with which the principles of substantive law are administered. In the first year the student receives instruction in legal bibliography, the use of authorities, the actual finding and collating of authorities, and the preparation of briefs upon elementary subjects. This is given in the class room and by library practice. He is also instructed in the organization and jurisdiction of courts, federal as well as state, and the principles of common law pleading. The commencement of actions is then treated. In the first term of the junior year the course embraces parties to actions and the principles of code pleading. This

course is followed in the second term by a course in which various pleadings and other instruments are drawn by the student, based upon hypothetical statements of facts. These papers are discussed in the class room and in individual consultations with the students preparing them. In the first half of the senior year there is given a somewhat extended course in New York practice. This course is not expected of students who do not intend to take the New York Bar Examinations, but students from other states are encouraged to take it, as it is believed that a specific study of actual practice in one jurisdiction is better than a general survey of rules common to a number of jurisdictions but which do not alone afford an accurate knowledge of the practice actually existing in any one jurisdiction. A course is also given in the practice of probate courts, and in the last term of the senior year there is a practical course in conveyancing.

For the Library of the College of Law, see page 161.

Certificate of Attendance. Each student who has been in regular attendance upon the College, whether entitled to a degree or not, may on application to the Faculty receive an official certificate of attendance, giving the time of his attendance, and if desired the measure of his attainments. The certificate of a year's satisfactory attendance, required by the New York Bar examiners, implies not only regular attendance upon, but also successful completion of the prescribed course of instruction for a full year (not less than ten hours a week). Students in the four year curriculum will therefore receive no time certificate for the first year, but will after regular attendance and on the successful completion of that curriculum receive a time certificate for three years.

SCHOLARSHIPS AND PRIZES

The **Boardman Senior Law Scholarship** and the **Fraser Scholarships** are awarded only to students in the College of Law. For these and for the various scholarships and prizes that are open to all of the students in Cornell University see pages 163-168.

THE MEDICAL COLLEGE

FACULTY OF MEDICINE IN NEW YORK CITY

- JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President of the University.
- WILLIAM M. POLK, M.D., LL.D., Dean and Professor of Clinical Surgery, Department of Gynæcology.
- FREDERIC S. DENNIS, A.B., M.D., F.R.C.S., Professor of Clinical Surgery, Emeritus.
- NEWTON M. SHAFFER, M.D., Professor of Orthopædic Surgery, Emeritus.
- LEWIS A. STIMSON, A.B., M.D., LL.D., Professor of Surgery.
- W. GILMAN THOMPSON, Ph.B., M.D., Professor of Medicine.
- GEORGE WOOLSEY, A.B., M.D., Professor of Clinical Surgery.
- J. CLIFTON EDGAR, Ph.B., A.M., M.D., Professor of Obstetrics and Clinical Midwifery.
- JAMES EWING, A.M., Sc.D., M.D., Professor of Pathology.
- GRAHAM LUSK, Ph.D., Sc.D., F.R.S., (Edin.) Professor of Physiology.
- FRANK SHERMAN MEARA, A.B., Ph.D., M.D., Professor of Therapeutics.
- ROBERT ANTHONY HATCHER, Ph.G., M.D., Professor of Pharmacology and Materia Medica.
- CHARLES R. STOCKARD, M.S., Ph.D., Professor of Anatomy.
- IRVING S. HAYNES, Ph.B., M.D., Professor of Applied Anatomy and Clinical Surgery.
- THOMAS WOOD HASTINGS, A.B., M.D., Professor of Clinical Pathology.
- WARREN COLEMAN, A.M., M.D., Professor of Clinical Medicine and Applied Pharmacology.
- WILLIAM J. ELSER, M.D., Professor of Bacteriology.
- STANLEY R. BENEDICT, Ph.D., Professor of Chemistry.
- CHARLES L. GIBSON, A.B., M.D., Adjunct Professor of Surgery.
- JOSEPH E. WINTERS, M.D., Professor of Clinical Medicine, Department of Pediatrics.
- CHARLES L. DANA, A.M., M.D., LL.D., Professor of Clinical Medicine, Department of Neurology.
- GEORGE THOMSON ELLIOT, A.B., M.D., Professor of Clinical Medicine, Department of Dermatology.
- FREDERICK WHITING, A.M., M.D., Professor of Clinical Surgery, Department of Otolaryngology.
- AUGUST HOCH, M.D., Professor of Clinical Medicine, Department of Psychopathology.
- EDWARD L. KEYES, jr., A.B., Ph.D., M.D., Professor of Clinical Surgery, Department of Urology.
- ROBERT G. REESE, Ph.G., M.D., Professor of Clinical Surgery, Department of Ophthalmology.
- ALFRED S. TAYLOR, M.D., Professor of Operative Surgery.
- ALEXANDER LAMBERT, A.B., Ph.B., M.D., Professor of Clinical Medicine.
- CHARLES E. NAMMACK, Ph.B., M.D., LL.D., Professor of Clinical Medicine.
- LEWIS A. CONNER, Ph.B., M.D., Professor of Clinical Medicine.
- JOHN C. TORREY, A.B., Ph.D., Professor of Hygiene.
- WILLIAM B. COLEY, A.B., A.M., M.D., Professor of Clinical Surgery.
- JOHN ROGERS, A.B., Ph.D., M.D., Professor of Clinical Surgery.

- HARMON SMITH, A.B., M.D., Professor of Clinical Surgery, Department of Laryngology and Rhinology.
- CHARLTON WALLACE, M.D., Professor of Clinical Surgery, Department of Orthopedic Surgery.
- OTTO H. SCHULTZE, A.M., M.D., Assistant Professor of Pathological Anatomy, and Professor of Medico-Legal Pathology.
- LEWIS G. COLE, M.D., Professor of Radiology.
- JAMES C. JOHNSTON, A.B., M.D., Assistant Professor of Clinical Medicine, Department of Dermatology.
- JOHN R. MURLIN, A.M., Ph.D., Assistant Professor of Physiology.
- JOHN A. HARTWELL, Ph.B., M.D., Assistant Professor Surgery and Professor of Clinical Surgery.
- WILLIAM C. THRO, A.M., M.D., Assistant Professor of Clinical Pathology.
- RICHARD WEIL, M.D., Assistant Professor of Experimental Pathology.
- ISRAEL STRAUSS, A.B., M.D., Assistant Professor of Neuro-Anatomy.
- CHARLES C. BARROWS, A.M., M.D., Assistant Professor of Clinical Surgery, Department of Gynæcology.
- JAMES MORLEY HITZROT, A.B., M.D., Assistant Professor of Clinical Surgery, Department of Surgery.
- WALTER L. NILES, M.D., Assistant Professor of Clinical Medicine.
- CARL J. WIGGERS, M.D., Assistant Professor of Physiology.
- NELLIS BARNES FOSTER, M.D., Assistant Professor of Medicine.
- JEREMIAH SWEETSER FERGUSON, M.S., M.D., Secretary of the Faculty.
- J. F. GUDERNATSCH, Ph.D., Assistant Professor of Anatomy.
- FOSTER KENNEDY, M.D., Assistant Professor of Clinical Medicine, Department of Neurology.
- WILLIAM H. SHELDON, M.D., Assistant Professor of Clinical Medicine, Department of Medicine.
- HAROLD C. BAILEY, M.D., Instructor in Obstetrics.
- FENWICK BEEKMAN, M.D., Instructor in Operative Surgery.
- JOSEPH C. BÖCK, Chem.E., Instructor in Chemistry.
- KEENETH BUCKLEY, M.D., Instructor in Clinical Surgery.
- ARTHUR F. COCA, M.D., Instructor in Experiment Pathology.
- CARY EGGLESTON, M.D., Instructor in Materia Medica and Pharmacology.
- SEWARD ERDMAN, M.D., Instructor in Clinical Surgery.
- ELISE S. L'ESPERANCE, M.D., Instructor in Pathology.
- CHARLES E. FARR, M.D., Instructor in Surgery.
- HORACE W. FRINK, M.D., Instructor in Clinical Medicine, Department of Neurology.
- ROLFE FLOYD, M.D., Instructor in Clinical Medicine.
- JOHN C. A. GERSTER, M.D., Instructor in Operative Surgery.
- MALCOLM GOODRIDGE, M.D., Instructor in Therapeutics.
- GEORGE D. HAMLEN, A.M., M.D., Instructor in Obstetrics and Clinical Instructor in Surgery, Department of Gynæcology.
- ARTHUR E. HOAG, M.D., Instructor in Surgery.
- J. P. HOGUET, M.D., Instructor in Surgery.
- FRANK M. HUNTOON, M.D., Instructor in Bacteriology.
- HENRY WIRT JACKSON, M.D., Instructor in Clinical Pathology.
- FREDERICK L. KEAYS, A.B., M.D., Instructor in Physical Diagnosis.
- BURTON J. LEE, A.B., M.D., Instructor in Clinical Surgery and in Surgical Pathology.

ALBERTUS A. MOORE, M.D., Instructor in Obstetrics.

E. OSTERBERG, Instructor in Chemistry.

JOHN H. RICHARDS, M.D., Instructor in Clinical Pathology and in Medicine.

JOSEPH C. ROPER, M.D., Instructor in Clinical Medicine, Department of Pediatrics.

HAROLD E. SANTEE, A.B., M.D., Instructor in Obstetrics and Operative Surgery.

HANS J. SCHWARTZ, M.D., Instructor in Clinical Pathology and Clinical Instructor in Medicine, Department of Dermatology.

MONTGOMERY H. SICARD, B.S., M.D., Instructor in Physical Diagnosis and Therapeutics.

HARRY VAN NESS SPAULDING, M.D., Instructor in Operative Surgery.

RALPH G. STILLMAN, M.D., Instructor in Clinical Medicine.

CHARLES E. S. WEBSTER, jr., M.D., Instructor in Therapeutics.

JAMES WORCESTER, M.D., Instructor in Clinical Surgery.

Clinical Instructors

BENJAMIN S. BARRINGER, A.B., M.D., Clinical Instructor in Surgery, Department of Urology.

LEROY BROWN, M.D., Clinical Instructor in Surgery, Department of Gynæcology.

FRANKLIN T. BURKE, M.D., Clinical Instructor in Surgery, Department of Laryngology and Rhinology.

ARTHUR H. CILLEY, M.D., Clinical Instructor in Surgery, Department of Orthopædic Surgery.

W. J. HEIMANN, M.D., Clinical Instructor in Medicine, Department of Dermatology.

GEORGE B. MCAULIFFE, A.B., M.D., Clinical Instructor in Surgery, Department of Otolaryngology.

JOHN T. MAC CURDY, M.D., Clinical Instructor in Medicine, Department of Psycho-Pathology.

DAVID W. MAC KENZIE, A.B., M.D., Clinical Instructor in Surgery, Department of Urology.

GLENN E. MYERS, M.D., Clinical Instructor in Medicine, Department of Psycho-Pathology.

CLARENCE P. OBERNDORF, M.D., Clinical Instructor in Medicine, Department of Neurology.

HENRY PEARSON, B.S., M.D., Clinical Instructor in Anæsthesia.

B. SAMUELS, M.D., Clinical Instructor in Surgery, Department of Ophthalmology.

WILLIAM SHANNON, A.B., M.D., Clinical Instructor in Medicine, Department of Pediatrics.

GEORGE W. VANDERGRIFT, A.M., M.D., Clinical Instructor in Surgery, Department of Ophthalmology.

BRAINERD H. WHITBECK, M.D., Clinical Instructor in Surgery, Department of Orthopedic Surgery.

W. W. WRIGHT, M.D., Clinical Instructor in Medicine, Department of Psycho-Pathology.

WILLIAM D. TYRRELL, M.D., Clinical Instructor in Medicine, Department of Pediatrics.

Assistants

E. L. BREZEE, A.B., Anatomy.

ETHEL BROWN, M.D., Anatomy.

WALTER H. BRUNDAGE, M.D., Medicine.

EMILY T. BURR, A.B., Technical Assistant in Pathology.

- CHARLES S. B. CASSASSA, A.B., M.D., Pathological Anatomy.
 ROBERT CHAMBERS, jr., M.D., Anatomy.
 EARLE CONNOR, M.D., Clinical Assistant in Surgery, Department of Otology.
 HELEN B. DAVIS, A.B., Chemical Assistant in Medicine.
 WILLIAM DUNN, Experimental Pathology.
 SAMUEL M. EVANS, M.D., Clinical Assistant in Medicine, Department of Pediatrics.
 JAMES BELDEN GERE, M.D., Neuro-Pathology.
 J. H. GLOBUS, Anatomy.
 THOMAS A. MULCAHY, M.D., Clinical Assistant in Surgery, Department of Otology.
 GEORGE PAPANICOLAU, Ph.D., M.D., Anatomy.
 ALFRED RAHE, Experimental Pathology.
 J. A. RICHE, Physiology.
 M. E. VAN FLEET, M.D., Clinical Assistant in Medicine, Department of Neurology.
 GEORGE W. KUNZ, M.D., Clinical Assistant in Surgery, Department of Otology.
 H. MURAYAMA, Preparateur in Anatomy.
 CHARLES NORRIS, M.D., Demonstrator in Pathological Anatomy.

Lecturers

- EUGENE F. DUBOIS, M.D., Lecturer on Clinical Physiology and Instructor in Applied Pharmacology.
 GEORGE GRAY WARD, jr., M.D., Lecturer on Gynæcology.

FACULTY OF MEDICINE AT ITHACA

- JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President of the University.
 ABRAM T. KERR, B.S., M.D., Professor of Anatomy and Secretary of the Medical College at Ithaca.
 SIMON HENRY GAGE, B.S., Professor of Histology and Embryology, Emeritus.
 WILLIAM RIDGELEY ORNDORFF, A.B., Ph.D., Professor of Organic Chemistry.
 BENJAMIN FREEMAN KINGSBURY, Ph.D., M.D., Professor of Histology and Embryology.
 SUTHERLAND SIMPSON, D.Sc., M.D., F.R.S.E., Professor of Physiology.
 JAMES BATCHELLER SUMNER, A.M., Ph.D., Assistant Professor of Biochemistry.
 MELVIN DRESBACH, M.S., M.D., Assistant Professor of Physiology.
 SAMUEL ARTHUR MAHOOD, B.S., A.M., Instructor in Chemistry.
 HUGH McMILLAN KINGERY, A.B., A.M., Instructor in Histology and Embryology.
 HENRY KENNEDY DAVIS, A.B., A.M., Instructor in Anatomy.
 ANDREW THEODORE RASMUSSEN, A.B., Instructor in Physiology.
 CHARLES ETHAN ALLEN, A.B., Assistant in Histology and Embryology.
 JOHN JOSEPH KENNEDY, B.Chem., Assistant in Chemistry.
 REUBEN LORENZO HILL, B.S., Ph.D., Instructor in Biochemistry.
 C. M. PUTNEY, Assistant in Histology and Embryology.
 FRANCIS WEBBER SHERWOOD, A.B., Assistant in Chemistry.
 WILLIAM MALCOLM STOBBS, A.B., Assistant in Anatomy.
 ROBERT SQUIER GUTSELL, Student Assistant in Histology and Embryology.
 CHARLES HARDY CARROLL, A.B., Assistant in Physiology.
 JOHN EDWARD SUTTON, A.B., Assistant in Anatomy.
 GUSTAV J. NOBACK, Student Assistant in Histology and Embryology.

THE MEDICAL COLLEGE

The Cornell Medical College was founded in 1898. It comprises two divisions, one of which is in New York City, the other in Ithaca. The work of the whole curriculum of four years is given in New York City; the work of only the first year is given in Ithaca. Men may take the first year of the curriculum in New York City or in Ithaca as they may elect; women are required to take the first year in Ithaca.

BUILDINGS, LABORATORIES, AND HOSPITAL FACILITIES IN NEW YORK CITY

The main building of the Medical College in New York City, comprising the Medical School and Dispensary, is situated on First Avenue from 27th to 28th Streets.

The Loomis Laboratory, which serves the purpose of instruction in connection with the laboratories in the main building of the College, is organized as a research laboratory with special departments in bacteriology, physiological chemistry, experimental medicine, and pharmacology.

The College Dispensary, located in the main building, is intimately connected with the laboratory and research facilities of the College.

The New York Hospital. One-half of the medical, surgical, and pathological services of this hospital are assigned to the Medical College for the advancement of its teaching and research.

The Bellevue Hospital. The second of the four divisions of this hospital is at the disposal of the faculty of the Medical College for medical instruction.

The Neurological Institute. By courtesy of the Institute, certain work is offered to third and fourth year students in the Medical College.

Manhattan State Hospital, Ward's Island. Through the courtesy of the authorities of this hospital, the Professor of Psycho-pathology in the Medical College is enabled to offer in its wards clinical instruction which is conducted weekly during eleven weeks of the fourth year.

Thanks to the generosity of Dr. James Douglas, the General Memorial Hospital has recently received a large endowment for the study, treatment, and research of cancer and allied diseases, on the condition that the said Hospital devote itself exclusively to such work and also on the further condition that the Council of the Cornell University Medical College shall name the medical and surgical staff of the Hospital (subject, however, to the approval of the Board of Managers of the Hospital) and shall also approve the five medical members of the said Board of Managers and nominate their successors as from time to time vacancies occur in these positions.

Stimson Hall, the building of the Ithaca Division of the Medical College, is situated on the campus, and is a part of the general group of University buildings.

ADMISSION TO THE MEDICAL COLLEGE

Applications for admission to the Medical College are entertained from the following class of candidates.

1. Graduates of approved colleges or scientific schools.
2. Seniors in good standing in approved colleges or scientific schools upon condition that their faculty will permit them to substitute the first year in the Cornell University Medical College for the fourth year of their college course, and will confer upon them the bachelor's degree upon the satisfactory completion of the year's work.
3. Persons who give evidence by examinations that they have acquired an equivalent education to that signified by a bachelor's degree, and training sufficient to enable them to profit by the instruction offered in the Medical College.

All candidates for admission to the Cornell University Medical College must have at least such knowledge of physics, inorganic chemistry, and biology as may be obtained in college by a year's work in these subjects.

ADMISSION TO ADVANCED STANDING

Applicants for advanced standing must have met in full the requirements for admission, and must have already attended the legally required number of courses in an approved regular medical college. Applicants thus qualified may be admitted to the Cornell University Medical College under the following conditions.

1. A properly attested certificate of actual attendance at a registered medical college for the full number of years of medical study for which time credit is asked must be presented and approved.

2. A certificate showing that the student has satisfactorily completed in an approved medical college all of the required work of the years for which credit is asked must be presented and approved.

3. Subject credit will be granted on presentation and approval, by the heads of departments, of properly attested certificates stating the courses already completed in an approved medical college with the number of hours, didactic and laboratory, devoted thereto, together with the name of the instructor.

4. In the absence of the approved certificate called for in the preceding paragraph, subject credit for advanced standing will be granted only by examination.

ADMISSION TO SPECIAL COURSES

Graduates in medicine, or students who desire to pursue courses without credit toward graduation, may, on approval of the head of the department concerned, be admitted to registration in the Medical College in New York City, as special students.

TUITION AND LABORATORY FEES

The tuition for regular students in the Medical College, in New York City and in Ithaca, is \$150 a year. Laboratory fees are \$35 a year for the first three years, and \$25 for the fourth year. There is a final examination fee of \$25. A registration fee of \$5 is required of all regular students.

Tuition for special students depends on the nature of the courses pursued. For details, the Secretary of the Medical College in New York City should be consulted. All special students must pay a registration fee of \$5.00.

The Academic Year. In the Medical College in New York City, the academic year is divided into three terms of eleven, ten, and eleven weeks respectively. In the Ithaca Division of the Medical College, the academic year consists of two terms of approximately equal length.

THE DEGREE OF DOCTOR OF MEDICINE

Instruction in the Medical College leads to the degree of Doctor of Medicine, the requirement for which is the completion of the following curriculum of four years.

First Year. Major subjects: anatomy, physiology, organic chemistry including laboratory work, histology and embryology. Minor subjects: neuro-anatomy, physiological chemistry.

Second Year. Major subjects: physiology, materia medica and pharmacology. Minor subjects: medicine, surgery, obstetrics, bacteriology, anatomy, pathology, nutrition.

Third Year. Major subjects: applied pharmacology, pathology, obstetrics. Minor subjects: medicine, surgery, clinical pathology, pediatrics, neurology, pathological anatomy, urology.

Fourth Year. Major subjects: medicine, surgery, therapeutics, gynecology. Minor subjects: hygiene, ophthalmology, neurology, laryngology and rhinology, orthopedics, pediatrics, psycho-pathology, otology, dermatology.

Major and Minor Courses. Major courses are those in which a student completes his work in a given department or subject. Minor courses comprise

the shorter laboratory courses and those in which instruction is given by recitation only.

Conditions allowed at the end of the first, of the second, and of the third year of the curriculum: one major and one minor; or two minor subjects. All conditions must, however, be successfully passed before admission to the succeeding year. If at the end of the fourth year any student fails to pass in not more than one major, or in two minor subjects, a re-examination in these subjects may be allowed within two weeks, and if the candidate is then successful the degree may be conferred. If the candidate fails to pass in any subject at this second examination, the work of the fourth year must be repeated. Before being readmitted to the fourth year the candidate may be required to pass a satisfactory examination in anatomy, physiology, chemistry, and materia medica, the major subjects of the preceding years.

The minimum age at graduation must be twenty-one years.

Students who have been admitted to advanced standing are required to pass at least the fourth year of the curriculum in residence at the Medical College in New York City.

A Medical Student's Certificate, issued by the Department of Education of the State of New York, is required of all students before graduation.

Candidates must have dissected at least one lateral half of the cadaver. They must, further, have taken the regular course of two weeks in practical obstetrics, and a certificate covering this course must be filed at the Secretary's office before registration for the final examinations, which begin about the last week of May.

The degree will not be conferred upon any candidate who, without the special permission of the Faculty, absents himself from the public Commencement.

EXAMINATIONS AND ADVANCEMENT IN COURSE

1. **Advancement.** Students are advanced in course from one year to the next upon recommendations by heads of departments after examination in the work of the year, but examinations in major or minor subjects may, at the discretion of the head of the department, include all the work previously covered in the year or years preceding the examinations in question.

2. **Examinations.** Examinations for advancement in course, for graduation, and for admission to advanced standing are held at the close of the year, except that in each course extending through a part of the year only, the examination may be held at the close of the course.

A grade of 75 per cent is required to pass. In case of failure, if the grade is 60 per cent or more, the student is entitled to one re-examination and no more.

A student who fails to pass at re-examination in more than one minor subject shall not be allowed to register in the succeeding year of the curriculum, and shall be required to repeat all courses in which, during the year ending in failure, he has received a lower grade than 80 per cent. In place of courses passed with a grade of 80 per cent or higher, he may elect appropriate courses from the succeeding year of the curriculum.

A student who twice fails in the equivalent of two minor subjects (two minors being equal to one major) in a given year of the curriculum shall thereby forfeit his right to further registration in this college.

A student failing in any one college year in the equivalent of two major subjects or more shall thereby forfeit his right to re-examination, and shall be required to repeat the year, except that he may, at the discretion of the head of the department, be excused from repeating a course in which he has attained a grade of 80 per cent or more.

PRIZES AND FELLOWSHIPS

The John Metcalfe Polk Prizes, the Dana Prizes, and the Whiting Prizes are open only to students in the Medical College. For these see page 168.

The following fellowships are annually awarded by the Medical College in New York City. For details of award, the Announcement of the Medical College should be consulted.

Four Fellowships in Clinical Medicine, known as the **Charles L. Sheldon Fellowships**, of the annual value of \$1000, \$250, \$200, and \$200 respectively.
The Fellowship in Pathology of the annual value of \$250.

Diplomas of Licentiate of the Royal College of Physicians of London and Membership of the Royal College of Surgeons of England

Graduates of the Cornell University Medical College are admitted to the final examinations for diploma of Licentiate of the Royal College of Physicians of London and Membership of the Royal College of Surgeons of England.

Hospital Appointments

The students and graduates of the Cornell University Medical College are expected to compete for positions on the resident staff of New York Bellevue and other hospitals of the city.

THE COMBINED A.B. AND M.D. DEGREES

The two degrees, Bachelor of Arts and Doctor of Medicine, may be obtained in seven years. The first three years must be taken in the College of Arts and Sciences. The fourth year is the first year in the Medical College, and at the end of it the student receives the degree of A.B. The last three years are taken entirely in the College of Medicine at New York City.

COURSES OF INSTRUCTION IN NEW YORK CITY

ANATOMY

1. **Morphology.** Laboratory, 40 hours (elective), and demonstration conferences, 22 hours (required). Professor STOCKARD and Dr. GUDERNATSCH.

2. **Embryology and Histology.** Laboratory course and lectures—250 hours. October to March. Required of all first year students. Drs. GUDERNATSCH and BURROWS.

3. **Neuro-Histology.** Laboratory, 66 hours. Required of all first year students. Assistant Professor STRAUSS and assistant.

4. **Gross Anatomy of the Human Body.** The following are the courses required. I. The Upper Extremity; II. The Head and Neck; III. The Lower Extremity; IV. The Thorax; V. The Abdomen and Pelvis. Dissection, demonstrations, recitations, and examinations. Total laboratory hours, 288 (minimum). First and second terms of the first year.

Course VI. A Demonstration course. Optional for first year students.

Course VII. A study room course in live anatomy. Optional for first year students.

Course VIII. Dissection Review. A repetition of Courses I-V, giving an opportunity for advanced dissection. Optional for students of the second, third, or fourth year.

Course IX. Topographical Anatomy. Laboratory, 99 hours. Required during the first term of second year. Professor STOCKARD, Assistant Professor BALDWIN, and assistants.

Course X. Neuro-Anatomy. Laboratory, 22 hours. Required of all first year students. Assistant Professor STRAUSS and assistant.

5. **Applied Anatomy.** First term of the second year. Laboratory, 66 hours. Professor HAYNES.

6. **Elective Courses Preparatory to the Specialties.** Optional for students of the third and fourth years. Laboratory, 40 hours. Professors STOCKARD and HAYNES and instructors.

7. **Elective Courses for Advanced Students.** Course I. General Histology. Twenty lectures, March to June. Dr. GUDERNATSCH. Registration not later than January.

Course II. Phases of Histogenesis. Ten lectures from March to June. Assistant Professor BURROWS.

Course III. The Anatomy of the Infant. Twenty lectures from January to March. Assistant Professor BALDWIN.

Course IV. Developmental Arrests and Structural Deficiencies. Fifteen lectures from January to March. Professor STOCKARD.

Course V. Experimental Embryology. Twenty lectures with conferences considering the recent literature of the subject. March to June. Professor STOCKARD.

8. **Anatomical Research.** Directed by members of the staff of instruction.

PHYSIOLOGY

Physiology. Third term of first year: four lectures a week, three laboratory periods, two conferences, quizzes, and a written review. First term of second year: lectures daily, three laboratory periods, conference quizzes, and written reviews; fortnightly seminary.

Physiology, Experimental and Clinical. This course immediately follows the preceding course.

The staff in the Department of Physiology is composed of Professor LUSK, Assistant Professors MURLIN and WIGGERS, Dr. DuBOIS, and Mr. RICHE.

CHEMISTRY

Organic Chemistry. First year. First term: two lectures a week. Second term: two lectures, one recitation, and two laboratory periods each week.

Physiological Chemistry. Third term: three lectures, two recitations, and three laboratory periods each week.

Chemical Pathology. Third term. One lecture a week.

Research in Chemistry. For advanced students by appointment.

The staff in the Department of Chemistry is composed of Professor BENEDICT, and Messrs. BöCK and OSTERBERG.

PHARMACOLOGY AND MATERIA MEDICA

1. **Elementary Pharmacy, Toxicology, and Principles of Prescription Writing.** Four hours a week during the first term.

3. **Systematic Pharmacology.** Second and third terms: forty-five hours devoted to lectures, conferences and written reviews. Professor HATCHER.

4. **Laboratory in Pharmacology.** Ninety hours. Professor HATCHER and Dr. EGGLESTON.

5. **Research.** Elective. Under the supervision of members of the staff.

APPLIED PHARMACOLOGY

One didactic lecture each week throughout the third year and clinical demonstrations (52 hours) in the wards of Bellevue Hospital. Professor COLEMAN and Dr. DuBOIS.

MEDICINE

Second Year. Recitations; physical diagnosis (96 hours).

Third Year. Recitations (two each week) and written reviews; lectures (twenty-two in number); weekly clinics in Bellevue Hospital; medical diagnosis; practical work in the New York Hospital (5½ weeks).

Fourth Year. Practical work in Bellevue Hospital; clinical clerkships in the College Dispensary.

CLINICAL PATHOLOGY

Third Year. Laboratory, lectures, and recitations (100 hours).

Fourth Year. Laboratory and research by appointment.

Research for graduate students by appointment.

The staff in medicine and clinical pathology is composed of Professors THOMPSON, HASTINGS, LAMBERT, NAMMACK, CONNER, and Assistant Professors FOSTER, THRO, and NILES.

NEW YORK HOSPITAL, CORNELL MEDICAL DIVISION

Director, Professor of Medicine (in general charge).

Hospital and University Appointees

Attending Physician, Professor of Clinical Medicine, Associate Attending Physician, Assistant Professor of Medicine. Associate Attending Physician, Instructor in Clinical Medicine. Clinical Pathologist, Instructor in Clinical Medicine. Pathologist, Professor of Bacteriology. Two Assistants Pathologists.

House Staff, Two Years Service

House Physician. First Senior Assistant Physician. Second Senior Assistant Physician. Junior Assistant Physician. Fellow in Medicine. Clinical Clerks (in sections of 10).

BELLEVUE HOSPITAL, CORNELL (SECOND MEDICAL) DIVISION

Hospital and University Appointees

Director (Professor of Medicine). Two Visiting Physicians (a. Professor of Applied Pharmacology; b. Professor of Therapeutics). Two Assistant Visiting

Physicians (*a.* Professor of Clinical Pathology; *b.* Assistant Professor of Clinical Medicine). Five Adjunct Assistant Visiting Physicians. (*a.* Chief of Clinic Out-Patient Department; *b.* Instructor in Medicine; *c.* Instructor in Therapeutics; *d.* Instructor in Physical Diagnosis; *e.* Lecturer in Clinical Physiology). One Resident, Clinical Pathologist. One Visiting Ophthalmologist. Five House Staff (*a.* House Physician, 2 years; *b.* Senior Physician, 2 years; *c.* Junior Physician, 2 years; *d.* Junior Physician, 2 years; *e.* Physician, 1½ years).

University Appointees

Five Laboratory Collaborators (*a.* Physiological Chemistry; *b.* Physiology; *c.* Experimental Therapeutics; *d.* Pathology; *e.* Clinical Pathology). Clinical Clerks (in sections of ten); Clinical Pathologist for Clinical Clerks. Clinical Pathologist for Division Laboratory. Trained Nurse to aid Clinical Clerks. Four trained nurses to aid metabolism research.

This entire staff is on continuous duty throughout the college year, and during the summer season the service is maintained by a considerable portion of the staff.

In addition to the regular hospital appointees and internes, the Medical College supplies from its Department of Medicine for service in Bellevue Hospital a corps of laboratory assistants, research workers, and a special nurse.

GENERAL THERAPEUTICS

Didactic Lectures. One hour a week during the last term of the third and throughout the fourth year. Required of third and fourth year students. Professor MEARA.

Clinical Clerkships. In conjunction with the Department of Medicine this department offers to each student a "clerkship" in the wards of Bellevue Hospital for a continuous period of service, half of which time will be devoted especially to problems of medicine and half to those of therapeutics.

Recitations. One hour a week for fifteen weeks, February to May. Required of fourth-year students. Dr. GOODRIDGE.

Section Work in the College Dispensary. For students in the fourth year. Drs. SICARD and WEBSTER.

Research. For qualified students by appointment.

SURGERY

Second Year. Recitations; surgical examination and diagnosis in the College Dispensary; operative surgery.

Third Year. Recitations; sections in the New York Hospital (three hours a week, first term), and in the College Dispensary (one hour a week, second term); clinics in Bellevue Hospital (first term); lectures (thirty-three in number, first term); weekly college clinic, first term; practical surgery at the New York Hospital (second and third terms).

Fourth Year. First term: lectures and clinics. Second term: clinical clerkships in Bellevue Hospital (six weeks). Third term; practical surgery at the New York Hospital.

The staff in this department is composed of Professors STIMSON, TAYLOR, WOOLSEY, ROGERS, COLEY, and HAYNES; Adjunct Professor GIBSON; Assistant Professors HARTWELL and HITZROT, and Drs. LEE, HOGUET, WING, ERDMAN, HOAG, PEARSON, BEEKMAN, SANTEE, GERSTER, and SPAULDING.

HOSPITAL WORK

New York Hospital, Cornell (First Surgical) Division. The staff of instruction is composed of Adjunct Professor GIBSON, Assistant Professor HITZROT, and Dr. LEE.

Bellevue Hospital, Cornell (Second Surgical) Division. The staff of instruction is composed of Professors STIMSON, WOOLSEY, and ROGERS; Assistant Professors HARTWELL and HITZROT; and Drs. LEE, ERDMAN, and HOGUET.

Surgical "Clerkships". Each student devotes his entire day for six weeks to the study of patients in the wards of New York and Bellevue hospitals.

OBSTETRICS

Instruction in this department is given during the second and third years of the curriculum. The work in obstetrics comprises: 1. recitations; 2. lectures; 3. obstetric clinics and conferences; 4. attendance upon cases of confinement; 5. manikin practice and section work; 6. obstetric histology, pathology, and bacteriology.

The staff of instruction in obstetrics is composed of Professor EDGAR and Drs. BAILEY, HAMLIN, MOORE, and SANTEE.

PATHOLOGY

1. **General Pathology.** Lectures, and museum and microscopical demonstrations, 99 hours. Required in the third term of second year.
2. **Special Pathology.** Lectures, and museum and microscopical demonstrations, 168 hours. Required in first and second terms of third year. Professors EWING and SCHLAPP, and Drs. TYTLER, L'ESPERANCE, and GERE.
3. **Pathological Anatomy.** Lectures and demonstrations, 108 hours. Required in the third term of second year, and in the first and second terms of third year. Professor SCHULTZE and assistant.
4. **Medico-legal Pathology.** Third and fourth years. Professor SCHULTZE.
5. **Autopsy Technics.** Fourth year. Two-hour periods twice a week during five weeks of the first term, and one week for ten weeks during the second term. Professor SCHULTZE and Dr. NORRIS and assistants.
6. **Special Pathology.** Lectures on special topics in pathology are given during the third and fourth years. Professors EWING, ELSE, SCHULTZE, TORREY, and SCHLAPP.
7. **Lectures in Chemical Pathology.** See page 108.
8. **Recitations.** One a week.
9. **Examinations.** Written and practical examinations at the end of the year.

EXPERIMENTAL PATHOLOGY

Facilities are provided in the Loomis Laboratory for research in experimental pathology, bacteriology and hygiene, serum pathology, chemical pathology, and micro-photography. The members of this staff include: Professor TORREY, Dr. COCA, Mr. RAHE, and others.

Since 1904 the work of the Huntington Fund for Cancer Research has been located in the Laboratories of the Cornell University Medical College. The organized work in connection with this subject has been distributed among the Departments of Pathology, Professor EWING; Experimental Pathology, Dr. COCA; Chemistry, Professor BENEDICT; Anatomy, Professor STOCKARD; Experimental Therapeutics, Professors BEEBE and WEIL. Clinical studies are being conducted at the General Memorial Hospital under Professors EWING, WEIL, and COLEY, and Drs. SAMUEL BROWN, and H. H. JANEWAY; at Bellevue Hospital under Professor HARTWELL; at the New York Hospital in connection with the Department of Pathology under Professor ELSE; and in Comparative Medicine under A. SCHLESINGER, D.V.S.

BACTERIOLOGY

Laboratory work and lectures, 165 hours. Required in the second year. Professor ELSE and Dr. HUNTOON.

EXPERIMENTAL THERAPEUTICS

Research. In the Loomis Laboratory, for qualified students, by appointment.

The staff in this department is composed of Professor BEEBE, Assistant Professor WEIL, Dr. VAN ALSTYNE, and Dr. COOKE, Miss RAHE, Dr. FELDSTEIN, and Mr. DUNN.

NEUROLOGY

Third Year. Lectures and demonstrations (Professor DANA); clinics.

Fourth Year. Clinics; sections; clinical clerkships.

The staff in this department is composed of Professor DANA, Assistant Professor KENNEDY, and Drs. FRINK and OBERNDORF.

PSYCHO-PATHOLOGY

Fourth Year. Didactic lectures; clinical demonstrations and practical exercises.

The staff in this department is composed of Professor HOCH and Drs. WRIGHT, CHENEY, MACCURDY, TREADWAY, and FOLSOM.

PEDIATRICS

Third Year. Weekly clinical lectures.

Fourth Year. Weekly clinical lectures; sections in the dispensary, two hours a week; clinical clerkships in the New York Hospital.

The staff in this department is composed of Professor WINTERS, and Drs. SHANNON, ROPER, and TYRRELL.

GYNECOLOGY

Fourth Year. Conferences; lectures; ward studies and demonstrations (three each week during second term); clinics (weekly during first term); and laboratory demonstrations.

The staff in this department is composed of Professor POLK, Assistant Professor BARROWS, Dr. WARD, and Drs. HAMLEN and BROWN.

UROLOGY

Third Year. Clinics in Bellevue Hospital, weekly during first and second terms; lectures, ten in number, first term; sections in the College Dispensary, first term.

Fourth Year. Clinical clerkships.

The staff in this department is composed of Professor KEYES and Drs. MACKENZIE and BARRINGER.

DERMATOLOGY

Fourth Year. Demonstrations, 28 hours.

The staff in this department is composed of Professor ELLIOTT, Assistant Professor JOHNSTON, and Drs. SCHWARTZ and HEIMANN.

LARYNGOLOGY AND RHINOLOGY

Fourth Year. Didactic lectures and clinical exercises. Professor SMITH and Dr. BURKE.

OPHTHALMOLOGY

Fourth Year. Third term. Section teaching, two hours a week during eleven weeks. Professor REESE and Drs. WHEELER and VANDEGRIFT.

OTOLOGY

Fourth Year. Sections in the College Dispensary (15 hours). Professor WHITING, and Dr. McAULIFFE.

ORTHOPEDIC SURGERY

Fourth Year. Second term; weekly didactic and clinical lectures; ward work in the Hospital for the Ruptured and Crippled, three mornings a week for six weeks. Third term; the use of plaster of Paris and of braces. Professor WALLACE and Drs. CILLEY, KEPPLER, and WHITBECK.

ROENTGENOLOGY

Fourth Year. Lectures and demonstrations (nine hours). Professor COLE and Dr. HOLDING.

HYGIENE

Third Year. Lectures (ten hours). Dr. TORREY.

Fourth Year. Lectures (twelve hours). Dr. TORREY.

MEDICAL JURISPRUDENCE

This subject is covered in the regular courses of study by several departments and by special lectures. Professor HOCH, Professor EDGAR, Professor HATCHER, and Dr. SCHULTZE.

COURSES OF INSTRUCTION IN THE ITHACA DIVISION OF THE MEDICAL COLLEGE

ANATOMY

Courses 1, 2, 3, 5, and 6 are required of first year medical students.

1. **Anatomy of the Head and Neck.** First term. Credit four hours, twenty-two actual hours a week for seven weeks. Professor KERR, Mr. DAVIS, Mr. McCORKLE, and Mr. POTTER. Laboratory work; dissection and conference.

2. **Anatomy of the Thoracic Walls and Viscera.** First term. Credit, one hour, twenty-two actual hours a week for two weeks. Professor KERR, Mr. DAVIS, Mr. McCORKLE, and Mr. POTTER. Laboratory work; dissection and conferences.

3. **Anatomy of the Abdominal and Pelvic Walls and Viscera.** First term. Credit four hours, twenty-two actual hours a week for seven weeks. Professor KERR, Mr. DAVIS, Mr. McCORKLE, and Mr. POTTER. Laboratory work; dissections and conferences.

5. **Anatomy of the Central Nervous System.** Second term. Credit, two hours, five actual hours a week. Professor KERR and Mr. DAVIS. Dissection with occasional demonstrations and recitations.

6. **Anatomy of the Living Body.** Second term. Credit one hour, two actual hours a week. Dr. KERR and Mr. DAVIS.

7. **Anatomy of the Upper Extremity.** First and second terms. Credit, two to three hours. Professor KERR and Mr. DAVIS. Laboratory work; dissection and conference.
8. **Anatomy of the Lower Extremity.** First and second terms. Credit, two to three hours. Professor KERR and Mr. DAVIS. Laboratory work; dissection and conference.
9. **Topographical Anatomy.** First and second terms. Credit, two to five hours. Prerequisite anatomy courses 1, 2, 3, 7, or 8. Professor KERR.
12. **Research in Anatomy.** For qualified students. First and second terms. Professor KERR.

HISTOLOGY AND EMBRYOLOGY

Courses 10, 10a, and 5 are required of students of medicine.

10. **Histology.** First term. Credit six hours. Professor KINGSBURY and Mr. KINGERY. Four laboratory periods and two lectures each week.
- 10a. **Histology.** First term. Credit, three hours. Professor KINGSBURY. Two laboratory periods and one lecture-conference each week.
5. **The Nervous System and Organs of Sense.** Second term. Credit, two hours. Professor KINGSBURY. Two laboratory periods with laboratory conferences and quizzes.
3. **Special Histology and Technique.** First term. Credit, three hours. Professor KINGSBURY and Mr. KINGERY. One recitation, demonstration, or lecture. Two laboratory periods by assignment.
7. **Advanced Work in Histology and Embryology.** First and second terms. Professor KINGSBURY and Instructors. Laboratory work, eight or more actual hours a week, with seminary. Prerequisite courses 10 and 3 and a reading knowledge of French and German.
8. **Seminary.** First and second terms. One hour each week.

DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY

1. **Physiology of the Cell, Muscle, Nerve, Heart and Circulation, Blood and Lymph, and Respiration.** First term. Credit, three hours. Professor SIMPSON, Assistant Professor DRESBACH, and assistants. Three lectures or recitations weekly with demonstrations.
2. **Physiology of Digestion, Excretion, Internal Secretion, Animal Heat, and Reproduction.** Second term. Credit, three hours. Professor SIMPSON, Assistant Professor DRESBACH, and assistants. Five lectures or recitations weekly for the first ten weeks of the term, with demonstrations and examinations.
4. **Experimental Physiology.** Second term. Credit, five hours. Professor SIMPSON, Assistant Professor DRESBACH, and assistants. Two six-hour laboratory periods a week.
5. **Physiology of the Nervous System and Special Senses.** Second term. Credit, two hours. Professor SIMPSON. Lectures, five weekly for the last six weeks of the term.
7. **Seminary.** Second term. Credit, one hour.
8. **Advanced Work and Research.** For qualified students, by appointment.
15. **General Biochemistry.** Second term. Credit, five hours. Two lectures or recitations and three three-hour laboratory periods weekly. Assistant Professor SUMNER and Mr. HILL.
17. **Special Chapters in Biochemistry.** First term. Credit, one hour. Assistant Professor SUMNER. Lectures.
20. **Advanced Work and Research in Biochemistry.** First and second terms. Assistant Professor SUMNER.

Courses 32. Required course. See page 89.

THE VETERINARY COLLEGE

For detailed information concerning the work of the Veterinary College, candidates for admission to that college should consult the Announcement of the Veterinary College which will be sent gratis on application to the Secretary of the University.

FACULTY

- JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President of the University.
VERANUS ALVA MOORE, B.S., M.D., V.M.D., Professor of Comparative Pathology, Bacteriology, and Meat Inspection. Dean of the College.
JAMES LAW, F.R.C.V.S., Professor of Principles and Practice of Veterinary Medicine. Emeritus.
SIMON HENRY GAGE, B.S., Professor of Histology. Emeritus.
WALTER LONG WILLIAMS, Professor of Obstetrics and Research Professor of the Diseases of Breeding Animals.
PIERRE AUGUSTINE FISH, D.Sc., D.V.M., Professor of Veterinary Physiology and Secretary of the Faculty.
GRANT SHERMAN HOPKINS, D.Sc., D.V.M., Professor of Veterinary Anatomy and Anatomical Methods.
HOWARD JAY MILKS, D.V.M., Professor of Therapeutics and Small Animal Clinic.
DENNIE HAMMOND UDALL, B.S.A., D.V.M., Professor of Veterinary Medicine and Hygiene.
SAMUEL HOWARD BURNETT, M.S., D.V.M., Professor of Comparative Pathology and Bacteriology.
JAMES NATHAN FROST, D.V.M., Assistant Professor of Veterinary Surgery.
EARL SUNDERVILLE, D.V.M., Assistant Professor of Veterinary Anatomy.
CLIFFORD PENNY FITCH, A.M., D.V.M., Assistant Professor of Pathology and Bacteriology.
CHARLES ERNEST HAYDEN, A.B., D.V.M., Assistant Professor of Veterinary Physiology.
FREDERICK KOENIG, D.V.M., Assistant Professor of Veterinary Medicine.
RAYMOND RUSSELL BIRCH, B.S., D.V.M., Superintendent of the Veterinary Experiment Station.
EARL MAX PICKENS, D.V.M., Assistant Professor of Diagnosis.
HENRY ASMUS, Assistant Professor of Farriery.
WILLIAM EDWARD MULDOON, D.V.M., Instructor in Materia Medica.
HOWARD ECKLER JOHNSON, D.V.M., Instructor in Anatomy.
JAMES FREMONT SHIGLEY, B.Pd., D.V.M., Instructor in Surgery.
LEWIS HORATIO WRIGHT, D.V.M., Instructor in Medicine.

Assistants

- WILLIAM ARTHUR BILLINGS, Diagnosis.
SAMUEL A. GOLDBERG, D.V.M., Pathology.
JOSEPH BRUCE LATSHAW, B.S.A., Diagnosis.
ERWIN VERANUS MOORE, Anatomy.
ETHEL WILLIAMS, A.B., Pathology.

Lecturers for 1914-15

- | | |
|--|---|
| W. H. Boynton. Manila, Philippines | J. W. Adams. Philadelphia, Pa. |
| James Law. Ithaca | Frank H. Miller. New York City |
| Cassius Way. New York City | F. J. Loomis. Watertown |
| J. G. Wills. Albany | Septimus Sisson. Columbus, Ohio |

THE VETERINARY COLLEGE

Instruction in veterinary subjects has been a part of the work of Cornell University since its foundation. During the earlier years of the University, this instruction was in charge of the Department of Agriculture, and it was continued as a distinctive part of the work of the College of Agriculture when in 1888 that college was created as the successor of the Department of Agriculture.

The Veterinary College was established as a separate college of Cornell University in the year 1894, in accordance with an Act of the Legislature of the State of New York creating a State Veterinary College at Cornell University.

The Veterinary College as it exists today is supported by the State of New York, and is administered by Cornell University under the direction of a committee of its Board of Trustees known as the Veterinary College Council. In respect of all academic interests, the Veterinary College is an integral part of Cornell University.

For admission to the Veterinary College, see page 38; for tuition in the Veterinary College, see page 45.

THE DEGREE OF DOCTOR OF VETERINARY MEDICINE

The undergraduate instruction for regular students in the Veterinary College leads to the degree of Doctor of Veterinary Medicine, the requirement for which is the completion of one of the following curricula.

Beginning with the session 1916-17, students will be required to take the four year course for the degree of Doctor of Veterinary Medicine.

Curriculum of Three Years

FIRST YEAR

	No. Course	Credit 1st Term	Credit 2d Term	Total of Actual Hours
Inorganic Chemistry	1	6	—	135
Histology and Embryology	6	3	5	210
Anatomy ..	1	3	—	383
" ..	2	1	—	
" ..	3	3	—	
" ..	4	—	5	
Physiology	10	3	—	165
" ..	12	—	3	
" ..	14	—	2	
Feeding Animals ..	1	—	2	38
Animal Breeding ..	2	—	2	30
		19	19	961

SECOND YEAR

	No. Course	Credit 1st Term	Credit 2d Term	Total of Actual Hours
Anatomy	5	4	—	225
" ..	6	2	—	
Physiology ..	11	1	—	15
" ..	13	1	—	15
Pharmacology ..	20	2	—	30
Materia Medica and Pharmacy	21	2	—	75
General Pathology	40	4	—	105
Special Pathology ..	41	—	2	53
Parasites ..	44	2	—	53
Small Animal Clinic ..	25	—	1	45
Consulting Clinic ..	53	—	1	45
Bacteriology ..	43	—	5	143

	No. Course	Credit 1st Term	Credit 2d Term	Total of Actual Hours
General Surgery	30	—	4	97
Physical Diagnosis	51	—	2	30
Horseshoeing	52	—	1	15
Ophthalmology	55	—	1	15
Hygiene	56	1	—	15
Horseshoeing Exercises	57	—	1	45

19 18 1021

THIRD YEAR

Urine Analysis	15	1	—	45
Diseases of Small Animals	22	—	2	30
Materia Medica and Therapeutics	23	2	—	30
Surgical Exercises	31	1	—	45
Special Surgery	32	4	—	60
Obstetrics	36	—	4	60
Infectious Diseases	42	—	2	30
Special Pathology	41	2	—	53
Small Animal Clinic	25	1	1	90
Consulting and Medical Clinic	53	1	1	90
Surgical Clinic	34	2	2	180
Ambulatory Clinic	37	1	1	90
Medicine	50	5	5	150
Meat and Dairy Inspection	48	—	1	15
Embryology	—	—	1	54

20 19 1022

The Optional Curriculum of Four Years

FIRST YEAR

Inorganic Chemistry	1	6	—	135
Histology and Embryology	6	3	5	210
Anatomy	1	3	—	} 383
"	2	1	—	
"	3	3	—	
"	4	—	5	
Physiology	10	3	—	} 165
"	12	—	3	
"	14	—	2	
Feeding Animals	1	—	2	38
Animal Breeding	2	—	2	30

19 19 961

SECOND YEAR

Anatomy	5	4	—	} 225
"	6	2	—	
Physiology	11	1	—	15
"	13	1	—	15
Pharmacology	20	2	—	30
Materia Medica Laboratory	21	2	—	75
General Pathology	40	4	—	105
Special Pathology	41	—	2	53
Parasites	44	2	—	53
Bacteriology	43	—	5	143
General Surgery	30	—	4	97
Chemistry (optional)	6	—	5	143

18 16 954

THIRD YEAR

Urine Analysis	15	1	—	45
Diseases of Small Animals	22	—	2	30
Materia Medica and Therapeutics	23	2	—	30
Special Pathology	41	2	—	53
Small Animal Clinic	25	—	1	45
Consulting and Medical Clinic	53	—	1	45
Physical Diagnosis	51	—	2	30
Horseshoeing	52	—	1	15
Ophthalmology	55	—	1	15
Hygiene	56	1	—	15
Clinical Examination of Blood	62	—	2	53
Organic Chemistry (optional)	32	4	—	90
The Horse (optional)	5	—	4	90
Milk Composition and Tests (optional)	1	2	—	53
Horseshoeing Exercises	57	—	1	45
Meat and Dairy Inspection	48	—	1	15
Optional	—	7	4	150
Embryology	—	—	1	54
		19	20	873

FOURTH YEAR

Special Surgery	32	4	—	60
Obstetrics	36	—	4	60
Surgical Exercises	31	1	—	45
Pathology of Infectious Diseases	42	—	2	30
Small Animal Clinic	25	1	1	90
Consulting and Medical Clinic	53	1	1	90
Surgical Clinic	34	2	2	180
Ambulatory Clinic	37	1	1	90
Medicine	50	5	5	150
Toxicology (optional)	80	2	—	30
Market Milk and Milk Inspection (optional)	6	—	2	53
Post Mortem Examinations	47	2	2	150
		19	20	1028

For the **Curriculum of Six Years in Agriculture and Veterinary Medicine**, see page 126.

SCHOLARSHIPS AND PRIZES

The Horace K. White Prizes; The Hollingworth Honorarium for Research; The Jane Miller Prize; and The James Gordon Bennett Prize are awarded to students in the Veterinary College. For these and for the scholarships and prizes that are open to all students of the University, see page 163.

Student Assistants. Three positions as student assistant are open to capable veterinary students in their senior year (salaries from \$125 to \$300 a year).

STUDY FOR PRACTITIONERS

Veterinarians who are legally authorized to practise at their places of residence will be admitted to any class in the College at any time and for such period as they may elect, without entrance examination. They will be entirely free to elect any studies that are being regularly taught at the time, and may enjoy all opportunities and facilities offered to regular students as long as these opportunities do not interfere with the instruction of the regular students.

No tuition will be required from licensed veterinarians practising in the State of New York.

COURSES OF INSTRUCTION

ANATOMY

1. **Comparative Osteology.** Three hours. First term, one lecture and five laboratory periods each week; second term, three laboratory periods each week. Professor HOPKINS and assistants.
2. **Arthrology.** One hour. First term. Professor HOPKINS and assistants.
3. **Myology and Abdominal Viscera.** Three hours. First term. Lectures and laboratory. Professor HOPKINS, Assistant Professor SUNDERVILLE, and assistants.
4. **Myology, Thoracic and Abdominal Viscera, Lymphatic System and Organs of Special Senses.** Five hours. Second Term. Lectures, written reviews, and recitations. Professor HOPKINS, Assistant Professor SUNDERVILLE, and assistants.
5. **Blood Vessels and Nerves of the Arm and Leg.** Three hours. First term. Laboratory. Professor HOPKINS, Assistant Professor SUNDERVILLE and assistants.
6. **Blood Vessels and Nerves of the Head; the Central Nervous System and Genital Organs.** Three hours. First term. Laboratory. Professor HOPKINS, Assistant Professor SUNDERVILLE, and assistants.
7. **Surgical Anatomy.** Second term. Open to practitioners. Professor HOPKINS, and Assistant Professor SUNDERVILLE.
8. **Advanced Anatomy.** Two or more hours. Laboratory. Professor HOPKINS and Assistant Professor SUNDERVILLE.

PHYSIOLOGY

10. **Physiology Recitations.** First term, credit three hours. Professor FISH and Assistant Professor HAYDEN.
11. **Physiology Recitations.** First term, second year, credit one hour. Professor FISH and Assistant Professor HAYDEN.
12. **The Physiology of the Nutrition and Secretion of the Domesticated Animals.** Second term, credit three hours. Professor FISH.
13. **The Physiology of the Muscular and Nervous Systems.** First term, second year, credit one hour. Professor FISH.
14. **Physiological Laboratory.** Second term, five hours a week. Professor FISH. Assistant Professor HAYDEN, and assistants.
15. **Urine Analysis.** Laboratory. First term, third year, three hours a week. Professor FISH, Assistant Professor HAYDEN, and assistants.
16. **Advanced Physiology.** Laboratory, reading, and reports. Five or more hours a week. Professor FISH and assistants.

MATERIA MEDICA AND SMALL ANIMAL CLINIC

20. **Pharmacology.** Lectures. First term, two hours. Professor MILKS.
21. **Materia Medica and Pharmacy Laboratory.** First term, five hours a week. Professor MILKS and Dr. MULDOON.
22. **Diseases of the Small Animals.** Second term, fourth year, two hours a week. Professor MILKS.
23. **Recitations in Materia Medica and Therapeutics.** First term, two hours. Professor MILKS.
24. **Advanced Work.** Laboratory, reading, and reports. Five or more hours a week. Professor MILKS and Dr. MULDOON.
25. **Small Animal Clinic.** Six actual hours a week. Professor MILKS and Dr. MULDOON. Students in this course substitute course 53 in alternate months.

SURGERY, OBSTETRICS, ZOOTECHNICS, AND JURISPRUDENCE

30. **General Surgery.** Second term, four recitations or laboratory periods a week. Assistant Professor FROST. Prerequisite courses 1, 2, and 3 in anatomy, course 12 in physiology, course 6 in histology and embryology, and course 4 in general pathology.
31. **Surgical Exercises.** Three hours a week. First term. Professor WILLIAMS, Assistant Professor FROST, and Dr. WEBBER.
32. **Special Surgery.** First term, four lectures or recitations a week. Professor WILLIAMS.
34. **Surgical Clinics.** Six actual hours or more a week throughout the year. Professor WILLIAMS, Assistant Professor FROST, and Dr. WEBBER. Prerequisites, courses 30 and 31.
35. **Jurisprudence.** A series of lectures during the second term. Professor WILLIAMS.
36. **Obstetrics and Zootechnics.** Four lectures or recitations a week. Second term. Professor WILLIAMS. Prerequisite, course 30.

COMPARATIVE PATHOLOGY, BACTERIOLOGY, AND MEAT INSPECTION

40. **General Pathology.** First term. Prerequisites, normal histology and at least one year's work in anatomy and physiology. Two recitations and five hours laboratory work each week. Professors MOORE and BURNETT.

41. **Special Pathology.** Throughout the year. Prerequisite course 40. One lecture and one laboratory period each week. Professor BURNETT.

42. **Pathology of Infectious Diseases.** Second term. Open to students who have taken courses 40 and 41, and have taken or are taking course 43. Two hours. Recitations. Professor MOORE.

43. **Bacteriology.** Second term. Five hours. Open to students who have taken or are taking course 6 in microscopy. Two lectures and 7½ hours laboratory work each week. Professor MOORE and Assistant Professor FITCH. The lectures may be taken as a two hour course.

44. **Parasites.** Recitations and laboratory. Assistant Professor FITCH.

45. **Research in Bacteriology and Pathology.** Prerequisite courses 40 and 43. Professor MOORE, Professor BURNETT, and Assistant Professor FITCH.

46. **Laboratory Methods of Diagnosis.** Prerequisite courses 40 and 43. Assistant Professor PICKENS.

47. **Post Mortem Examinations.** Throughout the year. Professor BURNETT and Mr. GOLDBERG.

48. **Meat and Dairy Inspection.** One hour. Second term. Professor MOORE.

49. **Seminary.** Throughout the year. Professors MOORE, BURNETT, FITCH and PICKENS.

VETERINARY MEDICINE

50. **Veterinary Medicine, Principles and Practice.** Credit five hours. Lectures or recitations. Professor UDALL.

51. **Physical Diagnosis.** Second term, credit two hours. Recitations or lectures. Assistant Professor KOENIG.

52. **Horseshoeing.** Lectures or recitations, second term. Credit, one hour. Assistant Professor KOENIG.

53. **Consulting and Medical Clinic.** Three actual hours a week for three terms. Credit, one hour. Professor UDALL and Assistant Professor KOENIG and Dr. L. H. WRIGHT.

55. **Ophthalmology.** One lecture or recitation a week, second term. Assistant Professor KOENIG.

56. **Hygiene.** One lecture or recitation a week, first term. Assistant Professor KOENIG.

57. **Horseshoeing Exercises.** Three actual hours a week, second term. Credit, one hour. Assistant Professor HENRY ASMUS.

37. **Ambulatory Clinic.** Professor UDALL, Assistant Professors FROST, and KOENIG, and Drs. L. H. WRIGHT and C. W. WEBBER.

Special Lectures. During the year, lectures on special topics in medicine will be given by practitioners and teachers of veterinary medicine. These will form a part of the instruction in this department.

COURSES FOR GRADUATES

60. **Advanced Bacteriology.** Laboratory work throughout the year. Prerequisite course 43, and also elementary chemistry and a reading knowledge of French and German. Professors MOORE and BURNETT.

61. **Advanced Pathology.** Laboratory work throughout the year. Open to students who have taken course 40 and have taken or are taking course 43. Professors MOORE and BURNETT.

62. **Clinical Examinations of the Blood.** Second term, credit two hours. One lecture and three hours laboratory work. Prerequisite course 40. Professor BURNETT.

Seminaries or special conferences for advanced and for graduate students are conducted by the various departments of the college.

Library. For the Roswell P. Flower Library, and for other library facilities, see page 162.

THE COLLEGE OF AGRICULTURE

For detailed information concerning the work of the College of Agriculture, candidates for admission to that college should consult the Announcement of the College of Agriculture which will be sent gratis on application to the Secretary of the University.

Instruction in agricultural subjects has been a part of the work of Cornell University since its foundation. The Department of Agriculture, which had charge of this instruction during the earlier years of the University, was in 1888 succeeded by the College of Agriculture, which was in that year organized and established as a separate college of the University. In 1904 the College of Agriculture became, by an Act of the Legislature, the New York State College of Agriculture, and the equipment of the College of Agriculture of Cornell University along with the annual appropriations made by the University for the support of agricultural instruction, was employed and continued to be employed to strengthen and support the work of the New York State College of Agriculture.

The College of Agriculture as it exists today is in large part supported by the State of New York, and is administered by Cornell University under the direction of a committee of its Board of Trustees known as the Agricultural College Council. In respect of all academic interests, the College of Agriculture is an integral part of Cornell University.

The Federal Experiment Station at Cornell University was organized in 1887, and is in charge of the Dean of the College of Agriculture. The annual federal appropriation is devoted wholly to experimental work and research in the Departments of Plant Breeding, Soil Technology, and Entomology.

FACULTY

JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President of the University.

BEVERLY THOMAS GALLOWAY, B.Agr. Sc., LL.D., Dean of the College of Agriculture and Director of the Experiment Station.

CORNELIUS BETTEN, M.A., Ph.D., Professor, Secretary and Registrar of the College.

ISAAC PHILLIPS ROBERTS, M.Agr., Professor of Agriculture, Emeritus.

JOHN HENRY COMSTOCK, B.S., Professor of Entomology and General Invertebrate Zoology, Emeritus.

HENRY HIRAM WING, B.Agr., M.S. in Agr., Professor of Animal Husbandry.

THOMAS LYTTLETON LYON, B.S. in Agr., Ph.D., Professor of Soil Technology.

JOHN LEMUEL STONE, B.Agr., Professor of Farm Practice.

JAMES EDWARD RICE, B.S.A., Professor of Poultry Husbandry.

GEORGE WALTER CAVANAUGH, B.S., Professor of Chemistry in its Relations to Agriculture.

GEORGE NIEMAN LAUMAN, B.S.A., Professor of Rural Economy.

HERBERT HICE WHETZEL, A.B., M.A., Professor of Plant Pathology.

ELMER OTTERBEIN FIPPIN, B.S.A., Extension Professor of Soil Technology.

GEORGE FREDERICK WARREN, B.Sc., B.S.A., M.S.A., Ph.D., Professor of Farm Management.

WILLIAM ALONZO STOCKING, JR., B.Agr., B.S.A., M.S.A., Professor of Dairy Industry.

CHARLES HENRY TUCK, A.B., Professor of Extension Teaching.

WILFORD MURRAY WILSON, M.D., Professor of Meteorology.

RALPH SHELDON HOSMER, B.A.S., M.F., Professor of Forestry.

JAMES GEORGE NEEDHAM, B.S., M.S., Ph.D., Professor of Entomology and Limnology.

- ROLLINS ADAMS EMERSON, B.Sc., D.Sc., Professor of Plant Breeding.
- HARRY HOUSER LOVE, B.S., M.A., Ph.D., Professor of Plant Breeding Investigations.
- ARTHUR WITTER GILBERT, B.Sc., M.S. in Agr., Ph.D., Professor of Plant Breeding.
- DONALD REDDICK, A.B., Ph.D., Professor of Plant Pathology.
- EDWARD GERRARD MONTGOMERY, M.A., Professor of Farm Crops.
- GEORGE ALAN WORKS, M.S. in Agr., B.Ph., M.S. in Agr., Professor of Rural Education.
- FLORA ROSE, B.S., M.A., Professor of Home Economics.
- MARTHA VAN RENSSELAER, A.B., Professor of Home Economics.
- WILLIAM ALBERT RILEY, B.S., Ph.D., Professor of Insect Morphology and Parasitology.
- JAMES ADRIAN BIZZELL, B.S., M.S., Ph.D., Professor of Soil Technology.
- GLENN WASHINGTON HERRICK, B.S.A., Professor of Economic Entomology and Entomologist of the Experiment Station.
- HOWARD WAIT RILEY, M.E., Professor of Rural Engineering.
- HAROLD ELLIS ROSS, B.S.A., M.S.A., Professor of Dairy Industry.
- HUGH CHARLES TROY, B.S.A., Professor of Dairy Industry.
- SAMUEL NEWTON SPRING, B.A., M.F., Professor of Forestry.
- KARL MCKAY WIEGAND, B.S., Ph.D., Professor of Botany.
- WILLIAM HENRY CHANDLER, B.S. in Agr., M.S. in Agr., Ph.D., Professor of Research in Pomology.
- ARTHUR BERNHARD RECKNAGEL, B.A., M.F., Professor of Forestry.
- MERRITT WESLEY HARPER, B.Sc., M.S., Professor of Animal Husbandry.
- CYRUS RICHARD CROSBY, A.B., Extension Professor of Entomology.
- ELMER SETH SAVAGE, B.S. in Agr., M.S.A., Ph.D., Professor of Animal Husbandry.
- KENNETH CARTER LIVERMORE, B.S. in Agr., M.S. in Agr., Professor of Farm Management.
- EDWARD ALBERT WHITE, B.S., Professor of Floriculture.
- ALVIN CASEY BEAL, B.S., M.S. in Agr., Ph.D., Professor of Floriculture.
- HERBERT ANDREW HOPPER, B.S.A., M.S., Extension Professor of Animal Husbandry.
- EDWARD SEWALL GUTHRIE, B.S.A., M.S., in Agr., Ph.D., Professor of Dairy Industry.
- MAURICE CHASE BURRITT, B.S. in Agr., M.S. in Agr., Extension Professor and State Director of Farm Bureaus.
- WILLIAM CHARLES BAKER, B.S.A., Professor of Drawing.
- MORTIER FRANKLIN BARRUS, A.B., Ph.D., Extension Professor of Plant Pathology.
- LEWIS JOSEPHUS CROSS, B.A., Ph.D., Professor of Chemistry in its Relations to Agriculture.
- OSKAR AUGUSTUS JOHANNSEN, B.S., A.M., Ph.D., Professor of General Biology.
- CLYDE HADLEY MYERS, B.S., M.S., Ph.D., Professor of Plant Breeding.
- GEORGE ABRAM EVERETT, A.B., LL.B., Professor of Extension Teaching.
- BRISTOW ADAMS, B.A., Professor of Extension, Information Service.
- DICK J. CROSBY, B.S., M.S., Professor of Extension Teaching.
- ASA CARLTON KING, B.S.A., Professor of Farm Practice.
- ALBERT RUSSELL MANN, B.S.A., Professor of Rural Social Organizations. (Absent 1915-16.)
- LEWIS KNUDSON, B.S.A., Ph.D., Assistant Professor of Botany.

- JAMES CHESTER BRADLEY, A.B., M.S., Ph.D., Assistant Professor of Systematic Entomology.
- E. GORTON DAVIS, B.S., Assistant Professor of Landscape Art.
- JOHN BENTLEY, JR., B.S., M.F., Assistant Professor of Forestry.
- GEORGE CHARLES EMBODY, B.S., M.S., Ph.D., Assistant Professor of Aquiculture.
- HARRY OLIVER BUCKMAN, M.S.A., Ph.D., Assistant Professor of Soil Technology.
- (MRS.) HELEN BINKARD YOUNG, B.Arch. Assistant Professor of Home Economics.
- (MRS.) ANNA BOTSFORD COMSTOCK, B.S., Assistant Professor of Nature Study.
- RALPH HICKS WHEELER, B.S., Assistant Professor of Extension Teaching.
- HARRY MORTON FITZPATRICK, A.B., Ph.D., Assistant Professor of Plant Pathology.
- BYRON BURNETT ROBB, B.S., in Agr. M.S. in Agr., Assistant Professor of Rural Engineering.
- WALTER WARNER FISK, B.S. in Agr., M.S. in Agr., Assistant Professor of Dairy Industry.
- HALSEY B. KNAPP, B.S., M.S., in Agr. Assistant Extension Professor of Pomology.
- RALPH WRIGHT CURTIS, B.S.A., M.S.A., Assistant Professor of Landscape Art.
- VERN BONHAM STEWART, A.B., Ph.D., Assistant Professor of Plant Pathology.
- ANNETTE J. WARNER, Assistant Professor of Home Economics.
- ARTHUR LEE THOMPSON, M.S. in Agr., Ph.D., Assistant Professor of Farm Management.
- ROYAL GILKEY, B.S.A., Assistant Professor of Extension Teaching and Supervisor of the Reading Courses.
- CHARLES TRUMAN GREGORY, B.S. in Agr., Ph.D., Assistant Professor of Plant Pathology.
- LEXEMUEL RAY HESLER, A.B., Ph.D., Assistant Professor of Plant Pathology.
- EARL WHITNEY BENJAMIN, B.S. in Agr., M.S., Ph.D., Assistant Professor of Poultry Husbandry.
- ARTHUR JOHNSON EAMES, A.B., A.M., Ph.D., Assistant Professor of Botany.
- JAMES KENNETH WILSON, B.S., Ph.D., Assistant Professor of Soil Technology.
- ELMER EUGENE BARKER, A.B., Ph.D., Assistant Professor of Plant Breeding.
- EDWARD MOWBRAY TUTTLE, B.S. in Agr., A.B., Assistant Professor of Rural Education.
- ROBERT MATHESON, B.S.A., M.S. in Agr., Ph.D., Assistant Professor of Economic Entomology.
- BLANCHE EVANS HAZARD, A.B., M.S., Assistant Professor of Home Economics.
- DAVID LUMSDEN, Assistant Professor of Floriculture.
- ARTHUR AUGUSTUS ALLEN, A.B., A.M., Ph.D., Assistant Professor of Ornithology.
- JOHN HALL BARRON, B.S.A., Assistant Extension Professor of Farm Crops.
- MIRIAM BIRDSEYE, A.B., Assistant Professor of Home Economics.
- FOREST MILO BLODGETT, Ph.D., Assistant Professor of Plant Pathology.
- EDWARD RILEY KING, B.S., Assistant Professor of Entomology.
- LEONARD AMBY MAYNARD, A.B., Ph.D., Assistant Professor of Animal Husbandry.
- WILLIAM HOWARD RANKIN, A.B., Ph.D., Assistant Professor of Plant Pathology.
- JACOB R. SCHRAMM, Assistant Professor of Botany.
- GAD PARKER SCOVILLE, B.S. in Agr., Assistant Professor of Farm Management.
- PAUL WORK, A.B., M.S. in Agr., Superintendent of the Department of Vegetable Gardening and Instructor in the Department.
- HOWARD EDWARD BABCOCK, B.S., Ph.B., Assistant State Director of Farm Bureaus.

- LESTER WHYLAND SHARP, B.S., Ph.D., Instructor in Botany.
 JOHN THOMAS LLOYD, A.B., Instructor in Limnology.
 BERTHA E. TITSWORTH, A.B., B.S., Instructor in Home Economics.
 HELEN KNOWLTON, A.B., Instructor in Home Economics.
 CECIL CALVERT THOMAS, A.B., M.A., Instructor in Botany.
 WILLIAM JACOB ROBBINS, A.B., Ph.D., Instructor in Botany.
 EARLE VOLCART HARDENBURG, B.S., M.S. in Agr., Instructor in Farm Crops.
 RICHARD ALAN MORDOFF, B.S. in Agr., Assistant Registrar.
 OTIS FREEMAN CURTIS, M.S., Instructor in Botany.
 OLIVER WESLEY DYNES, B.S., M.S. in Agr., Instructor in Farm Crops.
 DANIEL SCOTT FOX, B.S., Instructor in Farm Management.
 ALBERT EDMUND WILKINSON, B.S., Extension Instructor in Vegetable Gardening.
 THOMAS JOSEPH MCINERNEY, B.S. in Agr., M.S. in Agr., Instructor and Investigator in Dairy Industry.
 HORACE MANN PICKERILL, B.S. in Agr., Instructor and Investigator in Dairy Industry.
 EUGENE DAVIS MONTILLON, B.Arch., Instructor in Landscape Art.
 JUAN ESTEVAN REYNA, E.E., Instructor in Drawing.
 LESLIE EUGENE HAZEN, B.S. in Agr., Instructor in Farm Structures.
 JAMES LEWIS STRAHAN, B.S. in Agr., M.S. in Agr., Instructor in Farm Structures.
 EARL LONG OVERHOLSER, M.A., Instructor in Pomology.
 CASS WARD WHITNEY, B.S., Instructor in Extension Teaching.
 ROYAL JOSYLIN HASKELL, B.S.A., Instructor in Plant Pathology.
 FRANK ELMORE RICE, A.B., Ph.D., Instructor in Agricultural Chemistry.
 ELMER ROSEL ZIMMER, Instructor in Animal Husbandry.
 CHARLES PAUL ALEXANDER, B.S., Instructor in Natural History.
 CHARLES CHUPP, A.B., Instructor in Plant Pathology.
 LAWRENCE HOWLAND MCDANIELS, A.B., Instructor in Botany.
 ALLAN CAMERON FRASER, B.S., Instructor in Plant Breeding.
 LULA ALICE MINNS, B.S., Instructor in Floriculture.
 ALFRED CARL HOTTES, B.S., M.S. in Agr., Instructor in Floriculture.
 ANNA ELIZABETH HUNN, B.S., Instructor in Home Economics, Cafeteria.
 GEORGE CORNELL SUPPLEE, B.S., M.S.A., Instructor in Dairy Industry.
 WILLIAM THOMAS CRAIG, Instructor in Plant Breeding.
 MONTGOMERY ROBINSON, Litt.B., B.S., Instructor in Extension Teaching.
 ARTHUR JOHN HEINICKE, B.S.A., M.A., Instructor in Pomology.
 OLNEY BROWN KENT, B.S., M.S. in Agr., Instructor in Poultry Husbandry.
 HAROLD DEANE PHILLIPS, A.B., B.S. in Agr., Instructor in Rural Economy.
 HENRY WILLIAM SCHNECK, B.S., M.S. in Agr., Instructor in Vegetable Gardening.
 WESLEY WORTH WARSAW, B.S. in A.E. Extension Instructor in Soil Technology.
 MAX ABEL, Instructor in Farm Crops.
 WINFRED ENOS AYRES, Extension Instructor in Dairy Industry.
 THOMAS ALEXANDER BAKER, B.S., Instructor in Animal Husbandry.
 ARTHUR MERLE BESEMER, B.S., Instructor in Dairy Industry.
 BEULAH BLACKMORE, Instructor in Home Economics.
 W. L. CHANDLER, Instructor in Entomology.
 THOMAS BURR CHARLES, B.S., Instructor in Poultry Husbandry.
 ARCHIE BYRON DANN, B.S., Instructor in Poultry Husbandry.

HOWARD BOWMAN ELLENBERGER, B.S.A., M.S.A., Instructor in Dairy Industry.
W. T. M. FORBES, Instructor in Entomology.
W. S. FROST, Instructor in Soil Technology.
A. WRIGHT GIBSON, Instructor in Farm Practice.
CHARLES HARVEY HADLEY, JR., B.S., Investigator in Entomology.
EDWIN SLEIGHT HAM, B.S., Instructor in Animal Husbandry.
LEON AUGUSTUS HAUSMAN, B.A., Instructor in Meteorology.
MARY HENRY, Instructor in Home Economics.
LEWIS MERWIN HURD, Extension Instructor in Poultry Husbandry.
A. S. KENERSON, Instructor in Vegetable Gardening.
ELLIS LORE KIRKPATRICK, B.S.A., Instructor in Vegetable Gardening.
JOHN CLARENCE MCCURDY, B.S., C.E., Instructor in Farm Structures.
LOUIS MELVILLE MASSEY, A.B., Instructor in Plant Pathology.
DE VOE MEADE, B.S., Instructor in Animal Husbandry.
EDWARD GARDNER MISNER, B.S., Instructor in Farm Management.
WILLIAM EMERSON MORDOFF, M.E., Instructor in Farm Structure.
RALPH SYLVANUS MOSELEY, Extension Instructor in Poultry Husbandry.
GILBERT WARRAN PECK, B.S., Extension Instructor of Pomology.
KARL JOHN SEULKE, M.S.A., Instructor in Animal Husbandry.
BERNARD WILLIAM SHAPER, B.S., Instructor in Extension Teaching.
CLINTON DEWITT SMITH, B.S., M.S., Instructor in Extension Teaching.
GEORGE WALTER TAILBY, JR., B.S.A., Instructor and Superintendent of Live Stock.
CLARK LEONARD THAYER, B.Sc., Instructor in Floriculture.
FRANCES VINTON, Instructor in Home Economics.
E. C. VIOLZ, Instructor in Floriculture.
F. B. WANN, Instructor in Botany.
JAMES LEROY WEIMER, A.B., Extension Instructor in Plant Pathology.

Assistants

ADA ELJIVA GEORGIA, Natural History.
IRA MYRON HAWLEY, A.B., Economic Entomology.
HENRY JOSEPH CONLIN, A.B., B.Chem., Agricultural Chemistry.
WILLIAM FRANCIS FLYNN, B.Chem., Agricultural Chemistry.
RALPH IRVING SCOVILLE, B.S., Dairy Industry.
CLARIBEL NYE, B.S., Home Economics.
DAVID STOUT JENNINGS, B.S., Soil Technology.
MORTIMER DEMAREST LEONARD, B.S., Extension Assistant in Entomology.
ARTHUR BISHOP BEAUMONT, B.S., Soil Technology.
ERNEST GUSTAF ANDERSON, B.S.A., Plant Breeding.
ERFORD LYNN BANNER, B.S., Poultry Husbandry.
H. D. BAUDER, Dairy Industry.
S. C. BISHOP, Entomology.
SUSIE BLAKEY, Home Economics.
JOHN HALLOCK BROMLEY, B.S., Soil Technology.
LAWRENCE GLENN BROWN, Entomology.
HELEN CANON, Extension Assistant in Entomology.
P. A. CLAASSEN, A.B., A.M., Entomology.

- C. P. CLARK, Farm Management.
ELIZABETH DEAN, A.B., Botany.
EUGENE PEYTON DEATRICK, A.B., Soil Technology.
BERTRAM THOMAS DICKSON, B.A., Plant Pathology.
C. O. DU BOIS, Extension Teaching.
C. H. ELLIOTT, Poultry Husbandry.
R. ERICKSON, Botany.
EDITH CUTHBERT FLEMING, Home Economics.
STUART WARD FROST, B.S., Entomology.
G. R. GAGE, Botany.
S. A. GRAHAM, Entomology.
LUCIE GRIER, Entomology.
L. GRISCOM, Entomology.
CEDRIC HAY GUISE, B.S., Forestry.
MILES BERTINE HAMAN, B.S., Forestry.
ANNA JANE HANCY, A.B., Botany.
L. E. HARVEY, Farm Management.
DUANE SPENCER HATCH, B.S., Extension Teaching.
BEN C. HELMICK, B.S. in Agr., M.S. in Agr., Plant Breeding.
WALTER N. HESS, A.B., Entomology.
GUSTAVE FREDERICK HEUSER, B.S., Poultry Husbandry.
MARY E. HILL, B.S., Entomology.
E. F. HOPKINS, Plant Pathology.
RUBY B. HUGHES, Entomology.
CHARLES EDWARD HUNN., Plant Propagation.
H. C. JACKSON, Dairy Industry.
A. H. KENNEDY, Entomology.
H. E. KNOWLTON, Botany.
ROLLIN LA FOLLETTE, J., B.A., Entomology.
JOHN IRWIN LAURITZEN, B.S., Botany.
ERNEST WALTER LINDSTROM, A.B., Plant Breeding.
R. N. LOBDELL, Entomology.
FRANKLIN POST METCALF., B.A., Botany.
WINIFRED MOSES, B.S., Home Economics.
WILLIAM I. MYERS, Farm Management.
GEORGE ROBINSON PHIPPS, B.S., Extension Teaching.
RAY FORD POLLARD, B.S., Instructor in Farm Management.
JACOB JOHN POLLOCK, B.S., Plant Breeding.
KARL PATTERSON SCHMIDT, Entomology.
H. E. SCHRAEDICK, Entomology.
HAROLD ALLEN SEVERY, A.B., A.M., Botany.
JANET S. SMITH, Home Economics.
ROGER G. SMITH, A.B., M.A., Biology.
R. STRATTON, Botany.
EDWARD MILTON URBAND, B.Arch., M.Arch., Home Economics.
JOHN B. WENTZ, Farm Crops.
ROY GLEN WIGGANS, B.S., Farm Crops.
WILLIAM COLCORD WOODS, A.B., Entomology.
LOUIS ARTHUR ZIMM, Forestry.

ADMISSION, TUITION, AND ACADEMIC YEAR

For admission to the College of Agriculture, see page 38.

For tuition in the College of Agriculture, see page 45.

In addition to the two terms into which, in the other colleges of the University with the exception of the Medical College in New York City, the academic year is divided, the College of Agriculture has provided, and first put into effect in 1914, a third term extending from June through September. The work of the third term is intended for upperclassmen and for graduate students, and no student is allowed to register in the third term if he has not completed the required work of the freshman and of the sophomore year in the College of Agriculture.

THE DEGREE OF BACHELOR OF SCIENCE

The undergraduate instruction for regular students in the College of Agriculture leads to the degree of Bachelor of Science, the requirements for which are residence for eight terms and the completion of one hundred and twenty hours of required and elective work. For the requirements in military science and tactics and in physical culture, see page 172.

Required Subjects. Freshman year: English, course 1, 8 hours; introductory inorganic chemistry, course 1, 6 hours; agricultural chemistry, course 85 or 6, 4 or 5 hours; biology, course 1, 6 hours; physics, course 2, 5 hours; the farm, course 1, 2 hours. Sophomore year: geology, course 1, 3 hours (optional for students specializing in home economics); physiology, course 3, 12, 20, or 21, 3 to 5 hours; botany, course 1, or zoology, course 1, 5 hours. Junior year: political economy, course 51, 6 hours.

Elective Subjects. The remainder of the required one hundred and twenty hours must consist of subjects elected under the following restrictions.

1. Not more than twenty hours may be taken in courses given in other colleges of the University.

2. Before graduation, all students must have passed at least fifteen hours of elective subjects in some one of the following five groups, and at least three hours in each of three of the other groups. The major group of fifteen hours is selected by the student at the beginning of the sophomore year, and in electing subjects in that group, the student must receive the advice and consent of a professor or an assistant professor in charge of a subject within the group and preferably within the department in which the student is intending to specialize.

Group A—Farm Crops; Pomology; Soil Technology; Floriculture; Vegetable Gardening.

Group B—Animal Husbandry; Poultry Husbandry; Dairy Industry; Entomology.

Group C—Agricultural Chemistry; Botany; Plant Breeding; Plant Pathology; Meteorology.

Group D—Rural Economy; Rural Education; Farm Management; Extension; Rural Engineering; Drawing.

Group E—Forestry; Home Economics; Landscape Art.

A student who receives twelve or more hours of college credit at entrance see page 43, may be regarded as having satisfied one of the required terms of residence.

A student who has satisfied the entrance requirements of this College, and has afterward completed in two or more Summer Sessions in Cornell University at least twelve hours of work in courses approved by the departments concerned, may be regarded as having thus satisfied one term of residence. Under no circumstances shall work done in Summer Sessions be accepted as the equivalent of more than two terms of residence. The maximum amount of credit toward the degree of Bachelor of Science which is allowed for the work in any one Summer Session is seven hours.

A student admitted to the College of Agriculture from another college in Cornell University, or from any other institution of collegiate rank, will be regarded as having completed the number of terms and hours to which his records entitle him, and will receive all the privileges of students who have completed the same number of terms and hours by residence in the College. In order, however, to obtain the degree of Bachelor of Science, he must have completed the prescribed subjects in the four year course and the requisite number of elective hours in agricultural subjects. He must also have been in residence in the College of Agriculture for at least the last two of the required eight terms and must have completed not less than fifteen hours a term, of which two-thirds, at least, must be subjects taught by the staff of the College of Agriculture.

A student must register for at least twelve hours each term and no new student may register for more than eighteen hours. Maximum registration by old students is determined on the basis of record.

All men students except those whose record and registration at the beginning of the senior year show that they are specializing to the extent of fifteen hours in home economics, forestry, landscape art, or entomology, must fully satisfy, before the beginning of the senior year, the requirements in farm practice. All men students are required to report to the Department of Farm Practice within the first three weeks of the first term in College.

Curriculum of Six Years in Agriculture and Veterinary Medicine

A regular student who has credit for at least ninety hours including all required work may, with the permission of the faculties concerned, be registered both in the College of Agriculture and in the New York State Veterinary College, and on completion of thirty hours, of which not less than twelve hours shall be taught in the New York State College of Agriculture, may be recommended for his degree. On the completion of two additional years, if he meets the requirements of the State Veterinary College, he will receive the degree of Doctor of Veterinary Medicine.

EXTENSION WORK

The Extension Work of the College of Agriculture is administered by the Department of Extension Teaching in cooperation with a committee representing the several departments of the college. The chief phases of the Extension Work, in addition to the Winter Courses conducted in Ithaca, are special lectures and demonstrations in various parts of the State of New York; farm visits, cooperative experiments, and fair exhibits; the maintenance of traveling schools and of extension schools; the conduct of reading courses and the organization of study clubs.

WINTER COURSES

The Winter Courses are seven in number, all opening on November 9, 1915, and closing on February 11, 1916. They are: 1. Agriculture; 2. Dairy Industry; 3. Poultry Husbandry; 4. Fruit Growing; 5. Home Economics; 6. Flower Growing; 7. Vegetable Gardening.

The minimum age requirement for admission to the Winter Courses is eighteen years. There are no academic requirements for admission, and no credit toward graduation may be earned in the Winter courses.

COURSES OF INSTRUCTION

ELECTIVE COURSES OPEN TO FRESHMEN

Dairy Industry 1, 2, 3, 4, 6; Drawing 1, 2; Floriculture 1, 9; Forestry 6; Landscape Art 2, 3, 13; Home Economics 2; Meteorology 1; Nature Study 61; Poultry Husbandry 1, 10; Rural Economy 1; Rural Engineering 3, 20, 30; Vegetable Gardening 1.

AGRICULTURAL CHEMISTRY

See page 91.

ANIMAL HUSBANDRY

1. **Principles and Practice of Feeding Animals.** First or second term, credit two hours. One lecture and one practice period a week. Professor SAVAGE and Mr. BAKER.
2. **Principles of Animal Breeding.** First or second term, credit two hours. Professor WING and assistants.
3. **Stock Judging, Elementary Course.** First term, credit one hour. Professors WING and HARPER, and Mr. MEADE.
5. **The Horse.** Second term, credit four hours. Three lectures and one practice period a week. Professor HARPER and Messrs. MEADE and HAM.
6. **Horse Training, Practical Course.** First term, credit two hours. Prerequisite course 5. One lecture and practice each week. Professor HARPER and Mr. HAM.
7. **Mechanics of the Horse.** First term, credit three hours. Prerequisite course 5. Lectures and recitations. M W, 11. Practice M, 3.30-5. Professor HARPER.
10. **Dairy Cattle.** First term, credit four hours. Two lectures, M W, 9, and one practice period each week. Professor WING, Messrs. ZIMMER and MEADE.
11. **Beef Cattle, Sheep, and Swine.** First term, credit three hours. Two lectures and one practice period each week. Mr. SEULKE and assistants.
12. **Meat and Meat Products.** First or second term, credit three hours. Lectures and practice. Mr. SEULKE.
14. **Microscopy of Foods for Animals.** Second term, credit two hours. Practice. Professor SAVAGE and assistants.
15. **Principles of Feeding, Advanced Course.** Second term, credit two hours. Prerequisite course 1 and Veterinary Physiology 12. Two lectures each week. Professor SAVAGE.
16. **Principles of Breeding, Advanced Course.** First and second terms, credit one to three hours a term. Prerequisite courses 5 and 10. Professors WING and HARPER.
17. **Animal Husbandry, Advanced Course.** Professors WING, SAVAGE, and HARPER.

BOTANY

1. **General Botany.** First or second term, credit five hours. One lecture, one recitation, and three laboratory periods each week. Assistant Professor SCHRAMM, Messrs. THOMAS, METCALF, and SEVERY, Miss HANCY, and others. Laboratory fee, \$4.
2. **Forest Botany.** First term, credit three hours. Prerequisite course 1. One lecture or conference and two laboratory or field work periods each week. Doctor EAMES and Mr. MACDANIELS. Laboratory fee, \$2.50.
5. **Grasses.** Second term, credit two hours. Prerequisite course 1. One lecture and laboratory period each week. Professor WIEGAND and Mr. METCALF.
6. **Taxonomy of the Higher Plants.** Second or third term, credit four hours. Prerequisite course 1. One lecture and two laboratory periods each week and field work. Professor WIEGAND and Mr. ———. Laboratory fee, \$3.50.
7. **Weeds and Weed Seeds.** Third term, credit two hours. Prerequisite course 1. One lecture and laboratory each week. Professor WIEGAND and Mr. ———. Laboratory fee, \$1.50.
9. **Histology.** First and third terms, credit four hours. Prerequisite course 1. One lecture and three laboratory periods each week. Assistant Professor EAMES and Mr. MACDANIELS. Laboratory fee, \$5.
10. **Cytology.** First term, credit three hours. Prerequisite course 1. One lecture and two laboratory periods each week. Doctor SHARP. Laboratory fee, \$4.
12. **Comparative Morphology.** Second term, credit four hours. Prerequisite course 1. Two lectures and laboratories each week. Dr. SHARP. Laboratory fee, \$5.
15. **Morphology and Taxonomy of the Algæ.** Second term, credit three hours. Prerequisite course 1. Lectures and laboratory. Assistant Professor SCHRAMM. Laboratory fee, \$4.
20. **General Plant Physiology.** First or second term, credit four hours. Prerequisite all freshman work and course 1. One lecture, one recitation, and two laboratory periods each week. Assistant Professor KNUDSON, and Messrs. ROBBINS, CURTIS, LAURITZEN, and others. Laboratory fee, \$5.

21. **Plant Physiology, Advanced Course.** First and second terms, credit five hours a term. Two lectures and two laboratory periods each week. Assistant Professor KNUDSON, and Messrs. ROBBINS and CURTIS. Laboratory fee, \$6 a term.

NOTE: This course is also given during the third term. It is then divided, however, into two five-hour courses, the student being permitted to take either course or both.

26. **Physiology of Fermentation.** First term, credit three hours. Prerequisite course 20 or 21. Lectures T, 12, and laboratory. Mr. ROBBINS. Laboratory fee, \$5.

Courses intended primarily for graduates

18. **Research in General Botany, Histology, and Taxonomy.** Throughout the year. Not less than three hours a term. Professor WIEGAND.

19. **Seminary in Taxonomy, Morphology, Cytology, and Histology.** Throughout the year, credit one hour a term. Professor WIEGAND.

30. **Special Chapters in Metabolism.** Third term. Lectures and laboratory. Assistant Professor KNUDSON.

31. **Seminary in Plant Physiology.** Throughout the year, credit one hour a term. Assistant Professor KNUDSON.

33. **Research, General Physiology.** Throughout the year. Assistant Professor KNUDSON.

DAIRY INDUSTRY

1. **Milk Composition and Tests.** First, second, or third term, credit three hours. Two lectures and one practice period each week. First term: Professor TROY and Mr. SNYDER. Third term: Professor ROSS and Mr. MCINERNEY. Laboratory deposit, \$3.

2. **Butter Making.** First term, credit three hours. One lecture and one five hour practice period each week. Professor GUTHRIE and Mr. SCOVILLE. Laboratory deposit, \$2.

3. **Cheese Making.** First term, credit three hours. One lecture or recitation and one five hour practice period each week. Assistant Professor FISK and Mr. ELLENBERGER. Laboratory deposit, \$2.50.

4. **Bacteriology, Elementary Course.** First term, credit four hours. Lectures and laboratory. Professor STOCKING, Messrs. PICKERILL, SUPPLEE, and BESEMER. Laboratory deposit, \$4.

6. **Market Milk and Milk Inspection.** Second term, credit two hours. Lectures and practice. Professor ROSS and Mr. MCINERNEY. Laboratory deposit, \$3.

7. **Testing, Advanced Course.** Second term, credit two hours. Professor TROY and Mr. SNYDER. Laboratory deposit, \$3.

8. **Dairy Bacteriology.** Second term, credit four hours. One lecture and three practice periods each week. Professor STOCKING, and Messrs. PICKERILL, SUPPLEE, and BESEMER. Laboratory deposit, \$4.

9. **Butter Making, Advanced Course.** Second term, credit three hours. One lecture and one long practice period each week. Professor GUTHRIE. Laboratory deposit, \$2.

10. **Fancy Cheese.** Second term, credit two hours. Practice. Prerequisite, courses 1 or 16, and 3. Assistant Professor FISK and Mr. ELLENBERGER. Laboratory deposit, \$2.

11. **Ice-Cream Making.** Second term, credit two hours. Prerequisite courses 1 or 16, and 14. Lectures and practice. Assistant Professor FISK and Mr. ELLENBERGER. Laboratory deposit, \$2.

12. **Seminary.** First or second term, credit one hour. Professors STOCKING, ROSS, TROY, and GUTHRIE, and Assistant Professor FISK.

13. **Research.** First or second term, credit one or two hours. Professors STOCKING, ROSS, TROY, and GUTHRIE, and Assistant Professor FISK. Laboratory deposit, \$2, for each credit hour.

14. **General Agricultural Bacteriology.** First term, credit three hours. One lecture and two practice periods each week. Professor STOCKING, Messrs. PICKERILL, SUPPLEE, and BESEMER. Laboratory deposit, \$4.

15. **Bacteriology for the Home.** Second term, credit three hours. One lecture and two practice periods each week. Messrs. PICKERILL, SUPPLEE, and BESEMER. Laboratory deposit, \$4.

16. **Milk Composition and Tests.** Second term, two hours, for special students only. Lectures and practice. Professor TROY and Messrs. SNYDER and ———. Laboratory deposit, \$3.

18. **Butter Making.** Second term, three hours, for special students only. Lectures and practice. Professor GUTHRIE and Mr. SCOVILLE. Laboratory deposit, \$2.

19. **Cheddar-Cheese Making, Advanced Course.** Second term, credit two hours. Lectures and practice. Assistant Professor FISK. Laboratory deposit, \$2.

DRAWING

1. **Mechanical Drawing.** First or second term, credit three hours. Three hours of actual practice each week. Mr. REYNA.

2. **Free-hand Drawing.** First and second terms, credit two or more hours a term. Three hours of actual practice for each hour of credit. Professor BAKER and Miss GARRETT.

2a. **Free-hand Drawing and Outdoor Sketching.** Third term, credit from two to five hours. Prerequisite course 2. Professor BAKER.

3. **Free-hand Drawing, Advanced Course.** First or second term, credit two or more hours. Professor BAKER and Miss GARRETT.

4. **Perspective.** Second term, credit two hours. Prerequisite course 2 and descriptive geometry. Lectures and practice. Mr. REYNA.

ENTOMOLOGY, LIMNOLOGY, AND NATURE STUDY

1. **General Biology.** First and second terms, credit three hours a term. Two lectures and one practice period a week. Professors NEEDHAM and JOHANNSEN, and assistants. Laboratory fee, \$2.50 a term.

2. **The Ecology of Insects.** Third term, credit three hours. One lecture and two practical exercises each week. Professor NEEDHAM.

3. **General Entomology.** First and second terms, repeated third term, credit three hours a term. Prerequisite course 1 or Zoology 1. First and second terms: Two lectures, Professor HERRICK, and one practice period, Professor HERRICK, Messrs. SMITH and HAWLEY. Laboratory fee, \$3 each term. Third term, July 7—Aug. 15: lectures daily exc. S, and two practice periods each week. Messrs. COUTANT and SMITH. Laboratory fee, \$1.50.

4. **Elementary Morphology of Insects.** First, second, or third term, credit three hours. First and second terms, Professor W. A. RILEY and Mr. LEIBY; third term, Mr. COUTANT. Laboratory fee, \$2.

5. **Elementary Systematic Entomology.** First, second, or third term, credit two hours. Laboratory and field work. First and second terms. Assistant Professor BRADLEY and Mr. WENDELKEN; third term, Mr. COUTANT. Laboratory fee, \$3.

8. **Elementary Economic Entomology.** First term, two hours. For special students. Lectures. Assistant Professor MATHESON. Laboratory fee, 50 cents.

10. **Entomotaxy.** Second term, credit two hours. Laboratory and field work. Assistant Professor BRADLEY. Laboratory fee, \$3.

11. **Advanced Systematic Entomology.** First or second term, credit three or more hours. Prerequisite courses 4, 5, and 10. Laboratory work. Assistant Professor BRADLEY and Mr. WENDELKEN. Laboratory fee, \$2 an hour.

12. **Taxonomy of Insects.** Throughout the year, credit four hours a term. Prerequisite courses 3, 4, 5, 10, 11, and 20, or the equivalent. One lecture and laboratory each week. Primarily for graduate students.

D. **Lepidoptera.** First term. Dr. FORBES.

E. **Diptera and Siphonaptera.** Second term. Assistant Professor JOHANNSEN.

F. **Neuropteroids.** Third term. Professor NEEDHAM and Mr. LLOYD.

[G. **Coleoptera.** First term, 1916-17. Assistant Professors BRADLEY and MATHESON.] Not given in 1915-16.

[H. **Orthoptera, Euplexoptera, and Thysanura.** Second term, 1916-17.] Not given in 1915-16.

[I. **Hymenoptera.** Third term, 1916-17. Assistant Professor BRADLEY.] Not given in 1915-16.

[A. **Physopoda, Mallophaga, Heteroptera.** Professor JOHANNSEN and Assistant Professor BRADLEY.] Not given in 1915-16.

[B. **Homoptera.** Professor JOHANNSEN and Assistant Professor BRADLEY.] Not given in 1915-16.

[C. **Myriapoda and Arachnida.**] Not given in 1915-16.

13. **Classification of the Coccidæ.** Second term, credit two hours. Prerequisite courses 4, 5, 10, and 11. Laboratory. Assistant Professor BRADLEY. Laboratory fee, \$3.

14. **Entomological Literature and its Technics.** First term, credit three hours. Prerequisite course 3 or 5, or Zoology 5. Assistant Professor BRADLEY.

19. **Research in Systematic Entomology.** Throughout the year, credit three or more hours a term. Prerequisite courses 3, 4, 5, 10, 11, 14, and 20. Assistant Professor BRADLEY, and Professors NEEDHAM and JOHANNSEN. Laboratory fee, 50 cents an hour.

20. **Morphology and Development of Insects.** First term, credit two hours. Prerequisite courses 3 (first term), 4, and 5. Lectures. Professor W. A. RILEY.

21. **Histology of Insects.** First term, credit three or more hours. Prerequisite courses 3 (first term), 4, 5, and 20. Laboratory. Professor W. A. RILEY. Laboratory fee, \$1.50 an hour.

27. **German Entomological Reading.** First term, credit one hour. Professor W. A. RILEY.

28. **French Entomological Reading.** First term, credit one hour. Miss KEPHART.

29. **Research in Morphology of Insects.** Throughout the year, credit three or more hours a term. Prerequisite courses 3, 4, and 5. Professors W. A. RILEY and NEEDHAM. Laboratory fee, \$1.50 an hour.

30. **Animal Parasites and Parasitism.** First term, credit two hours. One lecture and practical exercises each week. Must be preceded or accompanied by Zoology 1. Professor W. A. RILEY and Mr. HESS. Laboratory fee, \$2.

31. **Relations of Insects to Disease.** Second term, credit two hours. Professor W. A. RILEY and Mr. HESS. Laboratory fee, \$2.

32. **Advanced Work in Parasitology.** First term, credit two or more hours. Professor W. A. RILEY and Mr. HESS.

40. **Advanced Economic Entomology and Insectary Methods.** Third term, two hours. For graduates only. Assistant Professor MATHESON. Laboratory fee, \$2.50.

41. **Forest Insects.** Second term, credit two hours. Lectures. Professor HERRICK.

49. **Research in Economic Entomology.** Throughout the year, credit three or more hours a term. Prerequisite courses 3, 4, and 5. Professor HERRICK and Assistant Professor MATHESON.

50. **General Limnology.** Second and third terms, credit two hours a term. Lectures and laboratory. Professor NEEDHAM and Mr. LLOYD. Laboratory fee, \$2.50.

51. **Aquiculture.** Second term, credit two hours. Lectures. Assistant Professor EMBODY.

52. **Fish Culture.** Second term, credit one or two hours. Assistant Professor EMBODY. Laboratory fee, \$2.50.

53. **Plancton.** Second and third terms, credit one hour a term. Laboratory. Professor NEEDHAM and Mr. LLOYD. Laboratory fee, \$1.50.

58. **Research in Aquiculture.** Throughout the year, credit three or more hours a term. Prerequisite courses 50 and 51. Laboratory and field work. Assistant Professor EMBODY.

59. **Research in Limnology.** Throughout the year, credit three or more hours a term. Professors NEEDHAM and W. A. RILEY, and Assistant Professor EMBODY.

61. **Nature Study.** Throughout the year, credit three hours. Lectures. Assistant Professor COMSTOCK.

62. **Nature Study, Advanced Course.** First and second terms, credit two or more hours a term. Assistant Professor COMSTOCK.

65. **Conference in Nature Study.** Second term, credit one hour. Professor NEEDHAM and Assistant Professor COMSTOCK.

Seminary. Throughout the year. Conducted by the Jugatae, an entomological club.

79. **Journal Club.** First and second terms, credit one hour a term. Professors NEEDHAM, W. A. RILEY, and HERRICK, and Assistant Professor BRADLEY.

ORNITHOLOGY

6. **General Ornithology.** Second term, credit three hours. Lectures, laboratory and field work. Assistant Professor ALLEN and Mr. GRISCOM. After May 1 field trips will be made from 5.30 to 8 A. M.

[9. **Advanced Systematic Ornithology.** First term, credit three hours. Assistant Professor ALLEN.] Not given in 1915-16.

11. **Economic Ornithology.** First term, credit three hours. Laboratory and field work. Assistant Professor ALLEN.

EXTENSION TEACHING

1. **Extension Work.** First term, credit two hours. Lectures and practice. Professor EVERETT and Assistant Professor WHEELER, and Messrs. WHITNEY, ROBINSON, and SHAPER.

2. **Extension Work.** Second term, credit two hours. Lectures and practice. Professors EVERETT and Assistant Professor WHEELER, and Messrs. WHITNEY, ROBINSON, and SHAPER.

3. **Extension Work, Advanced Course.** First term, credit one hour. Professors TUCK, EVERETT and Assistant Professor WHEELER, and Mr. WHITNEY.

THE FARM

1. **The Farm.** First or second term, credit two hours. Field work and recitations. Professor NEEDHAM, Assistant Professors COMSTOCK and EMBODY, Mr. ALEXANDER, and assistants. Fee, \$2.

FARM CROPS

1. **Cereals, Forage Crops, and Miscellaneous Crops.** First or second term, credit four hours. Lectures, M W F, and laboratory. First term. Professor MONTGOMERY; second term, Mr. DYNES. Laboratory fee, \$2.

2. **Cereal Crops, Advanced Course.** First or third term, credit two hours. Prerequisite course 1. Professor MONTGOMERY.

3. **Forage Crops.** Second or third term, credit two hours. Prerequisite course 1. Professor MONTGOMERY and Mr. DYNES.

4. **Special Cash Crops.** First or second term, credit two hours. Lectures and laboratory. Mr. HARDENBURG. Laboratory fee, \$2.

5. **Seminary.** First and second terms. Professor MONTGOMERY.

6. **Research.** Throughout the year, two or more hours a term. Limited to graduate students. Professor MONTGOMERY.

FARM MANAGEMENT

1. **Farm Accounting.** First or second term, credit two hours. Lectures and laboratory. First term, Mr. LADD; second term, Assistant Professor THOMPSON. Laboratory fee, \$1.

2. **Farm Management.** Second or third term, credit four hours. Open only to juniors and seniors. Lectures, M W F, and laboratory. Second term, Professor LIVERMORE and Mr. FOX; third term, Messrs. LADD and ——. Laboratory fee, \$1.

3. **Farm Management, Advanced Course.** First term, credit two hours. Professor LIVERMORE.

4. **Type of Farming in the United States.** Second term, credit two hours. Lectures and laboratory. Professors WARREN and LIVERMORE, and Assistant Professor THOMPSON.

5. **Seminary.** First and second term, credit one hour a term. Professors WARREN and LIVERMORE, and Assistant Professor THOMPSON.

7. **Research.** First, second, or third term, credit one or more hours. First and second terms, Professor WARREN; third term, Mr. LADD.

FARM PRACTICE

1. **Farm Practice.** First, second, or third term. Professor KING and Mr. MOULTON. Required of men students not specializing in home economics, forestry, landscape art, or entomology.

FLORICULTURE

1. **Principles and Methods of Greenhouse Practice.** First term, credit three hours. Two lectures and practice each week. Professor WHITE and Mr. THAYER.

2. **Greenhouse Construction.** Second term, credit three hours. One lecture and practice each week. Assistant Professor LUMSDEN and Mr. PATCH. Laboratory fee, \$1.

3. **Commercial Floriculture.** Second or third term, credit four hours. Prerequisite courses 1 and 2. Lectures and recitations, M W F, and practice. Professor WHITE and Assistant Professor LUMSDEN and Mr. PATCH. Laboratory fee, \$2.

4. **Commercial Floriculture.** First term, credit four hours. Prerequisite course 3. Lectures and recitations. M W F, and practice. Professor WHITE and Mr. PATCH. Laboratory fee, \$2.

5. **Greenhouse and Garden Practice.** Throughout the year, credit two or four hours. Prerequisite course 1. Professor WHITE and members of the staff.

6. **Floral Arrangement.** Second term, credit one hour. Professor WHITE, Mr. PATCH, and Miss MINNS. Laboratory fee, \$3.50.

7. **Conservatory Plants.** Second or third term, credit two hours. Prerequisite course 1. Professor WHITE and Mr. PATCH. Laboratory fee, \$1.

8. **Garden Flowers.** Second and third terms, credit three hours. Lectures T Th, and practice. Assistant Professor LUMSDEN and Miss MINNS. Laboratory fee, \$2.

8a. **Grouping and Arrangement of Annuals and Herbaceous Perennials.** Second and third terms, credit two hours. Prerequisite course 8 and Botany 1. Lectures and practice. Assistant Professor LUMSDEN. Laboratory fee, \$2 a term.

9. **Amateur Floriculture.** First and second terms, repeated third term, credit two hours each term. Lectures and practice, Miss MINNS. Laboratory fee, \$2 a term.

10. **Wholesaling and Retailing Flowers.** Second term, credit one hour. Prerequisite courses 3 and 4. Professor WHITE.

[11. **The History and Literature of Floriculture.** Second term, credit two hours. Professor BEAL.] Not given in 1915-16.

12. **Investigation in Floriculture.** Throughout the year, credit one, two, or three hours a term. Professors WHITE and BEAL.

13. **Seminary.** Throughout the year, one hour a term. Professor WHITE and members of the staff.

FORESTRY

1. **The Farm Woodlot.** First term, credit two hours. Lectures and practice. Professor MOODY.

2. **Elements of Forestry: Mensuration, Utilization, and Management.** Second term, credit three hours. Lectures T Th and practice. Assistant Professor BENTLEY. Laboratory fee, \$1.

3. **Elements of Forestry: Silviculture.** First term, credit three hours. Lectures T Th and practice. Professor HOSMER. Laboratory fee, \$1.

4. **Forest Utilization.** First term, credit two hours. Lectures. Professor RECKNAGEL.

6. **The Field of Forestry.** Second term, credit two hours. Professor SPRING.

8. **Wood Technology.** First term, credit three hours. Lectures, M W and practice. Professor RECKNAGEL. Laboratory fee, \$1.

9. **Forest Utilization.** Third term, credit four hours. Professor RECKNAGEL.

10. **Forest Engineering.** Second term, credit two hours. Assistant Professor BENTLEY.

11. **Forest Mensuration.** Third term, credit five hours. Lectures, M T W and practice. Assistant Professor BENTLEY. Laboratory fee, \$1.50.

13. **Timber Trees and Forest Regions.** Second term, credit three hours. Lectures M W and practice. Assistant Professor BENTLEY. Laboratory fee, \$1.

14. **Silviculture: Forest Ecology.** Third term, credit three hours. Prerequisite Botany 1. Lectures and practice. Professor SPRING. Laboratory fee, 50 cents.

15. **Silviculture: Natural Reproduction and Care of the Forest.** Third term, credit three hours. Prerequisite courses 13 and 14. Lectures and practice. Professor SPRING. Laboratory fee, 50 cents.

16. **Silviculture: Forest Planting and the Forest Nursery.** Second term, credit three hours. Lectures W and practice. Professor SPRING. Laboratory fee, \$1.50.
18. **Forest Protection.** Second term, credit one hour. Professor HOSMER.
19. **Forest Policy, Forest Law, and History of Forestry.** Second term, credit three hours. Professor HOSMER.
20. **Forest Management.** Third term, five hours. Open only to graduate students. Lectures and practice. Professor RECKNAGEL.
21. **Forest Administration.** First term, credit two hours. Prerequisite course 20. Lectures and practice. Professor RECKNAGEL.
22. **Seminary.** First and third terms, credit two hours a term. Lectures and practice. Professors HOSMER, SPRING, RECKNAGEL and MOODY, and Assistant Professor BENTLEY.
23. **Advanced Work.** Throughout the year, credit two or more hours a term. Open to undergraduate and graduate students. Professors HOSMER, SPRING, RECKNAGEL, and MOODY, and Assistant Professor BENTLEY.
24. **Research.** Throughout the year, three or more hours a term. Professors HOSMER, SPRING, RECKNAGEL, and MOODY, and Assistant Professor BENTLEY.

HOME ECONOMICS

1. **Foods and Nutrition, Survey Course.** Second term, credit five hours. Lectures M W F and practice. Professor ROSE, Miss MOSES, and others. Laboratory fee, \$7.50.
2. **House Practice.** First and second terms, credit two hours a term. Lectures and practice. Miss BLAKEY. Laboratory fee: first term, \$1; second term, \$2.
3. **Foods.** First and second terms, credit first term, three hours; second term, five hours. Lectures and practice. Professor ROSE, and Misses KNOWLTON, VINTON, HENRY, and MOSES. Laboratory fee, first term, \$10; second term, \$7.50.
4. **Household Sanitation.** First term, credit three hours. Miss KNOWLTON and others.
5. **Institutional Management.** First and second terms, credit three or more hours a term. Lectures and practice. Miss HUNN and others.
6. **Dietetics.** Second term, credit five hours. Lectures, recitations and practice. Professor ROSE, and Misses KNOWLTON, VINTON, and HENRY. Laboratory fee, \$10 to \$12.
7. **Foods and Nutrition, Survey Course.** Second term, credit four or five hours. Lectures M W F and practice. Professor ROSE and Miss MOSES. Laboratory fee, \$3.75.
8. **Design.** First and second terms, credit three hours a term. Lectures and practice. Assistant Professor WARNER. Laboratory fee, \$3 a term.
9. **Design, Advanced Course.** Second term, credit two hours. Prerequisite course 8. Assistant Professor WARNER. Laboratory fee, \$3.
10. **The House.** First and second terms, credit two hours a term. Lectures and practice. Assistant Professor YOUNG. Laboratory fee, \$1 a term.
11. **Elements of Design.** First and second terms, credit one hour. Practice. Assistant Professors YOUNG and WARNER, and Miss BLACKMORE.
12. **Woman and the Family.** Second term, credit three hours a term. Lectures M W F, and laboratory. Professor VAN RENSSELAER.
13. **Woman in Industry.** First term, credit three hours. Lectures and practice. Assistant Professor HAZARD.
14. **Household Management.** First term, credit three hours; second term, credit two hours. Lectures and laboratory. Professor VAN RENSSELAER, and Miss KNOWLTON. Laboratory fee, \$5.
15. **Elementary Clothing and Hand Work.** Second term, credit two hours. Miss BLACKMORE. Laboratory fee, \$1.
16. **Draping, Drafting, and Elementary Dressmaking.** First term, credit two hours a term. Practice. Miss BLACKMORE. Laboratory fee, \$1 a term.
17. **Dressmaking.** Second term, credit two hours. Prerequisite courses 2, 15 and 16. Practice. Miss BLACKMORE. Laboratory fee, \$1.
18. **Elementary Millinery.** First term, credit one hour. Practice. Miss BLACKMORE. Laboratory fee, \$1.
20. **Special Problems.** First and second terms. Members of the departmental staff and others.
22. **Seminary in Nutrition.** Second term, one hour a term. Professor ROSE, and others.
23. **Extension in Home Economics.** Second term, credit three hours a term. Lectures and laboratory. Professor VAN RENSSELAER, and others. Laboratory fee, \$2 a term.
24. **Primitive Woman.** Second term, credit three hours. Open to juniors and seniors. Lectures. Assistant Professor HAZARD.
25. **Seminary in the History of Housekeeping.** Second term, credit one hour. Lectures and conferences. Assistant Professor HAZARD.
26. **Accounting and Office Management.** Second term, credit two hours. Lectures and practice. Miss FLEMING and others.

LANDSCAPE ART

1. **Appreciation of Landscape.** First term, credit one hour. Lectures. Assistant Professor DAVIS.
2. **Elements of Landscape Design.** Second term, credit one hour. Assistant Professor DAVIS.
3. **History of Landscape Design.** First term, credit two hours. Assistant Professor DAVIS. Fee, \$1.
4. **Theory and Aesthetics of Landscape Design.** First term, credit two hours a term. Prerequisite course 3. Assistant Professor DAVIS.
- 4a. **Theory: Planning of Private Properties.** First term, credit one hour. Prerequisite course 3. Lectures. Assistant Professor DAVIS.
- 4b. **Theory: Planning of Public Properties.** Second term, credit two hours. Prerequisite courses 1, 3 and 4. Lectures. Assistant Professor DAVIS.
6. **Rural Improvement.** A course of six or more lectures, beginning about the Christmas recess. Professor FLEMING.
9. **Lettering and Indication.** Second term, credit two hours a term. Mr. MONTILLON.
11. **Landscape Design, Elementary Course.** First and second terms, credit four hours a term. Prerequisite courses 3 and 4a. Mr. MONTILLON, assisted by departmental staff. Fee, \$3.
13. **Plant Materials.** Third term, credit five hours a term. Prerequisite Botany 1. Lectures W and practice. Assistant Professor CURTIS. Laboratory fee, \$1.
- 13a. **Elements of Planting Design.** First term, credit one hour. Prerequisite courses 13 or 14. Practice. Assistant Professor CURTIS. Laboratory fee, \$1.
14. **Elementary Plant Materials.** Prerequisite Botany 1. Lectures and laboratory. Assistant Professor CURTIS. Laboratory fee, \$1.50.
15. **Landscape Design, Advanced Course.** First and second terms, credit eight hours a term. Mr. MONTILLON, assisted by Professor FLEMING and Assistant Professor DAVIS.
16. **Landscape Engineering and Details of Construction.** First and second terms, credit two hours a term. Lectures and practice. Assistant Professor — and Mr. MONTILLON.
17. **Planting Design.** First and second terms, credit three hours a term. Lectures. Drafting, with criticism, both terms. Assistant Professors DAVIS and CURTIS.
18. **Propagation.** First and second terms, credit one hour. Assistant Professor CURTIS and Mr. HUNN.
20. **Seminary.** Second term, one hour. Departmental staff.

METEOROLOGY

1. **Meteorology and Climatology.** First or second terms, credit three hours. Professor W. M. WILSON. Laboratory fee, \$1.

PLANT BREEDING

1. **Genetics.** First term, credit three hours. Prerequisite Biology 1, and Botany 1 or Zoology 1. Lectures and recitations. Professor GILBERT, Assistant Professor BARKER, and Messrs. FRASER and FRIEDMAN, and LINDSTROM.
2. **Plant Breeding, Laboratory Course.** First term, credit one hour. Assistant Professor BARKER and Messrs. FRASER, FRIEDMAN, and ———. Laboratory fee, \$3.
6. **General Plant Breeding.** Third term, credit three hours. Prerequisite Biology 1, and Botany 1 or Zoology 1. Lectures and practice. Assistant Professor BARKER and Mr. FRIEDMAN. Laboratory fee, \$3.
8. **Methods of Plant Breeding.** Second term, credit three hours. Professor GILBERT and Mr. FRASER.
11. **Biometry.** First term, one hour. For graduate students only. Professor LOVE.
13. **Plant Breeding, Advanced Course.** First or third term, credit three hours. Prerequisite course 8. Lectures T Th and laboratory. Assistant Professor BARKER and Messrs. FRIEDMAN and LINDSTROM. Laboratory fee, \$3.
14. **Evolution.** First term, credit two hours. For seniors and graduate students. Prerequisite course 13. Lectures. Assistant Professor BARKER.
- [15. **The Theory of Experimental Practice.** First term, credit one hour. Assistant Professor BARKER.] Not given in 1915-16.
16. **Research.** Throughout the year. Members of the departmental staff.
17. **Seminary.** First and second terms, one hour a term. Members of the departmental staff.

PLANT PATHOLOGY

1. **Plant Pathology.** First or third term, credit one hour. Prerequisite Botany 1 and 20. One lecture, one recitation, and two practice periods each week. Professor WHETZEL, Assistant Professors GREGORY, HESLER, and RANKIN, and Messrs. CHUPP, HENDRICKS, and ———. Laboratory fee, \$4.50; breakage deposit, \$2.

2. **Principles of the Control of Plant Diseases.** Second or third term, credit three hours. Prerequisite course 1. One recitation and two practice periods each week. Assistant Professors GREGORY and HESLER, and Messrs. CHUPP and HENDRICKS. Laboratory fee, \$4.50; breakage deposit, \$2.

3. **Advanced Plant Pathology.** First and second terms, credit one or more hours a term. Lectures and practice. Professors WHETZEL and REDDICK, and Assistant Professor STEWART. Laboratory fee, \$1.50; breakage deposit, \$2.

6. **Parasitic Plants and Parasitism.** Second and third terms, credit three hours. Prerequisite Botany 1 or its equivalent. Lectures M and practice. Professors WHETZEL, Assistant Professors FITZPATRICK and HESLER. Laboratory fee, \$4.50; breakage deposit, \$2.

7. **Principles of the Control of Tree Diseases.** Second term, credit two hours. Prerequisite course 1. Lectures and practice. Assistant Professor RANKIN. Laboratory fee, \$2; breakage deposit, \$2.

9. **Timber Decay and its Prevention.** Second term, credit one hour. Prerequisite course 1. Lectures. Assistant Professor RANKIN.

10. **The Diseases of Fruit Crops and Their Control.** First term, one hour. Lectures and demonstrations. Professor WHETZEL and Mr. ———.

[12. **Mycology.** First and second terms, credit four hours a term. Prerequisite course 1. Assistant Professor FITZPATRICK. Laboratory fee, \$4.50 a term; breakage deposit, \$2 a term.] Not given in 1915-16.

14. **Mycology.** First term, credit four hours. Prerequisite Botany 1. Continuation of course 12. Assistant Professor FITZPATRICK. Laboratory fee, \$4.50; breakage deposit, \$2.

15. **Phytopathological Histology.** First or third term, credit three hours. Professor WHETZEL. Laboratory fee, \$4.50; breakage deposit, \$2.

16. **Bacterial Diseases of Plants.** Second term, credit four hours. Prerequisite course 1. Assistant Professor FITZPATRICK. Laboratory fee, \$6; breakage deposit, \$2.

20. **Research.** Throughout the year, not less than three hours a term. Professors WHETZEL, REDDICK and BARRUS, and Assistant Professors FITZPATRICK, STEWART, GREGORY, HESLER and RANKIN. Laboratory fee, \$1.50 an hour.

25. **Seminary.** First and second terms. Professors WHETZEL, REDDICK, and BARRUS.

POMOLOGY

1. **Pomology.** First, second, or third term, credit two hours. Two lectures each week. Professor ———, and Messrs. OVERHOLSER and HEINICKE.

1a. **Pomology, Laboratory Course.** Second or third term, credit one hour. Laboratory course. Prerequisite course 1. Professor ———, and Messrs. HEINICKE and OVERHOLSER. Laboratory fee, \$2.

5. **Nuciculture.** First term. Mr. OVERHOLSER.

8. **Fruit Varieties, Judging, and Packing.** First term, credit one hour. Prerequisite courses 1 and 1a. Professor ———, and Messrs. ROGERS, HEINICKE, and OVERHOLSER. Laboratory fee, \$2.

10. **Systematic Pomology.** Second or third term, credit two hours. Prerequisite courses 1, 1a, 2, and 8 and Botany 1. Mr. OVERHOLSER.

12. **Experimental Pomology.** Second term, credit two hours. Prerequisite courses 1, 1a, 8 and 10, and Botany 1. Lectures. Professor CHANDLER.

12a. **Pomology, Advanced Laboratory Course.** First term, credit one hour. Prerequisite courses 1, 1a, 8, and 10. Professor ———, and Messrs. OVERHOLSER and HEINICKE.

19. **Research.** Throughout the year, credit one to three hours a term. Professors ——— and CHANDLER.

20. **Seminary.** Second term, one hour. Professors ——— and CHANDLER, Assistant Professor KNAPP, and Messrs. OVERHOLSER, and HEINICKE.

POULTRY HUSBANDRY

1. **Poultry Husbandry.** First or third term, credit three hours. Two lectures and one practice period each week. Professor RICE, and Messrs. CHARLES and ———.

1a. **Poultry Husbandry.** First term, credit three hours. Prerequisite course 1. Lectures T Th and practice. Professor RICE and Messrs. DANN and ———.

2. **Poultry Feeds and Feeding.** First term, credit two hours. Messrs. DANN and ———.

2a. **Feeding Practice.** First, second or third term, credit one hour. Prerequisite courses 1 and 1a. Practice. Messrs. DANN and ANDREWS.

3. **Incubator Practice.** First, second or third term, credit one hour. Professor RICE and Mr. BUCHAN.

3a. **Brooder Practice.** First, second or third term, credit one hour. Professor RICE and Mr. BUCHAN.

4. **The Breeds and Judging.** First term, credit two hours. Prerequisite course 1. Lectures or recitations, and practice. Mr. KENT, and ———.

4a. **Judging, Advanced Course.** First term, credit two hours. Prerequisite course 4. Practice. Mr. KENT.

5. **Poultry House Design and Construction.** First term, credit two hours. Prerequisite course 1. Lectures or recitations, and practice. Messrs. KENT, BUCHAN and ———.
6. **Poultry for the Household.** Second term, credit two hours. Lectures or recitations, and practice. Assistant Professor BENJAMIN.
7. **Marketing.** Second term, credit two hours. Prerequisite course 1. Lectures or recitations and practice. Assistant Professor BENJAMIN and Messrs. CHARLES and ———. A class trip to New York City, for two or three days following the Easter vacation will be required.
- 7a. **Marketing Practice.** First, second, or third term, credit one or two hours. Assistant Professor BENJAMIN and ———.
8. **Poultry Farm Management.** Second term, credit two hours. Lectures or recitations, and practice. Assistant Professor BENJAMIN, and Mr. CHARLES.
9. **Commercial Marketing.** Second term, credit two hours. Prerequisite course 7. Lectures or recitations. Assistant Professor BENJAMIN and Mr. ———.
10. **Farm Poultry.** Second or third term, credit three hours. Two lectures, Professor RICE, and one practice period. Assistant Professor BENJAMIN, and Messrs. KENT and ———.
11. **Seminary.** First, second, or third term, or throughout the year, credit one to three hours a term. Professor RICE, Assistant Professor BENJAMIN, and Messrs. KENT and DANN.
12. **Research.** First, second, or third term, or throughout the year, credit one to three hours a term. Professor RICE, Assistant Professor BENJAMIN, and Messrs. KENT and DANN.

RURAL ECONOMY

1. **Agriculture.** First term, credit two hours. Open only to freshmen. Professor LAUMAN.
4. **Economic and Social Status of the Rural Community.** First term, credit three hours. Prerequisite Political Science 51. Professor LAUMAN, and Mr. PHILLIPS.
5. **Marketing and Prices.** First term, credit three hours. Prerequisite Political Science 51. Professor LAUMAN, and Mr. PHILLIPS.
6. **History of Agriculture.** Second term, credit three hours. Open only to seniors. Professor LAUMAN.
7. **Rural Economy.** Second term, credit three hours. Prerequisite Political Science 51; open only to seniors. Professors LAUMAN and Mr. PHILLIPS.
8. **Cooperation.** Second term, credit three hours. Prerequisite Political Science 51. Professor LAUMAN and Mr. PHILLIPS.
12. **Research in Rural Economy.** Credit from one to three hours a term. Professor LAUMAN.
14. **Seminary.** Prerequisite courses 4 and 7. Professor LAUMAN.
16. **Rural Organization.** Second term, credit one hour. Open only to seniors. Prerequisite course 4 and Farm Management 2. Professor BURRITT.

RURAL EDUCATION

1. **Agriculture in Secondary Schools.** Second term, credit three hours. Open to seniors and juniors who have completed courses in psychology and education. Professor WORKS, and others.
- 1b. **Agriculture in the High Schools.** Second term, credit three hours. Open to seniors. Professor WORKS, and others.
2. **Home Economics in the High Schools.** Second term, credit three hours. Open to seniors. Lectures. Professors WORKS, ROSE, and others.
5. **Teaching.** First or second terms.

RURAL ENGINEERING

3. **Farm Mechanics.** First, second, or third term, credit three hours. First and second terms: lectures T, recitation, and practice. Professor H. W. RILEY and assistants. Third term: lectures W and practice. Mr. HAZEN and assistants. Laboratory fee, \$2.
4. **Steam Machinery.** Second term, credit one hour. Prerequisite course 9. Professor H. W. RILEY.
19. **Research in Farm Mechanics.** Second, or third term, credit one or more hours. Prerequisite course 3. Professor H. W. RILEY.
20. **Farm Engineering.** First, second, or third term, credit three hours. Two lectures and practice each week. Laboratory fee, \$2. First and second terms, Assistant Professor ROBB and assistants; third term, Mr. STRAHAN.
21. **Drainage and Irrigation.** Second term, credit three hours. Lectures M W, and practice. Assistant Professors ROBB and BUCKMAN, and Mr. ———. Laboratory fee, \$2.
28. **Farm Engineering, Advanced Course.** First, second, or third term, credit two or more hours. Prerequisite course 20. Lectures and practice. Assistant Professor ROBB.
30. **Farm Structures.** Second or third term, credit three hours. Prerequisite Drawing 1. Practice each week. Mr. STRAHAN.

SOIL TECHNOLOGY

1. **Principles of Soil Management.** First, second, or third term, credit three hours. Prerequisite Chemistry 1 and Geology 1. Lectures T Th, and laboratory. First term, Professor BIZZELL; second and third terms Assistant Professor BUCKMAN. Laboratory deposit, \$3.
2. **Soils, Elementary Course.** Second term, two hours. For special students. Assistant Professor BUCKMAN.
5. **Soil Surveying.** Third term, credit two hours. Prerequisite course 1 and Physical Geography 5. Practice. Assistant Professor BUCKMAN.
6. **Soils, Advanced Course.** First or third terms, credit two hours. Prerequisite course 1, and Chemistry 85 and 85a. Professor BIZZELL.
8. **Mechanical Soil Analysis.** First term, credit one hour. Prerequisite course 1 and Chemistry 6. Laboratory. Professor BIZZELL. Laboratory fee, \$2.
11. **Research.** Throughout the year. Professor BIZZELL.
14. **Seminary.** Throughout the year. Professors LYON, FIPPIN, and BIZZELL, and Assistant Professor BUCKMAN, and WILSON.

VEGETABLE GARDENING

1. **Vegetable Gardening. Introductory Course.** Second term, credit one hour. Lectures. Mr. WORK.
2. **Commercial Vegetable Gardening.** Second term, credit four hours. Prerequisite course 1 and Botany 1. Two lectures, one recitation, and practice each week. Messrs. WORK, SCHNECK, and KIRKPATRICK. Laboratory fee, \$2.
3. **Commercial Vegetable Gardening.** Second and third terms, credit four hours a term. Prerequisite Botany 1 and Soils 1. Lectures M W, recitations, and practice. Mr. WORK. Laboratory fee, \$2 a term.
4. **Vegetable Forcing.** First term, credit three hours. Prerequisite course 2 or 3. Lectures and practice. Mr. SCHNECK. Laboratory fee, \$2.
5. **Systematic Vegetable Crops.** Third term, credit three hours. Prerequisite course 3. Lectures Th, and laboratory. Messrs. WORK and KENERSON. Laboratory fee, \$2.
6. **Practice.** First, second, or third term, one or two hours. Mr. WORK.
7. **Vegetable Gardening, Advanced Course.** Problem and seminary. Credit, two or more hours. Prerequisite course 3. Mr. WORK and members of the staff.
- [8. **Inspection Trip.** Third term, credit one hour. Mr. WORK.] Not given in 1915-16.
20. **Home Vegetable Gardening.** Second term, credit two hours. Lectures and practice. Mr. SCHNECK.

COLLEGE OF ARCHITECTURE

For detailed information concerning the work of the College of Architecture, candidates for admission to that college should consult the Announcement of the College of Architecture which will be sent gratis on application to the Secretary of the University.

FACULTY

JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President of the University.

CLARENCE AUGUSTUS MARTIN, Dean of the College of Architecture and Professor of Architecture.

OLAF MARTINIUS BRAUNER, Professor of Drawing and Painting.

GEORGE MAUXION, A.D.G., Professor of Architecture, in charge of Design. (Leave of absence.)

ALBERT CHARLES PHELPS, B.S., M.Arch., Professor of Architecture and Secretary of the Faculty of Architecture.

GEORGE YOUNG, JR., B.Arch., Professor of Architecture in the Theory of Construction.

EVERETT V. MEEKS, A.B., A.D.G., Acting Professor of Design.

CHRISTIAN MIDJO, Assistant Professor of Freehand Drawing and Modeling.

LEROY PEARL BURNHAM, B.S. Arch., M.S. Arch., Assistant Professor of Design.

GEORGE RAY CHAMBERLAIN, M.E., Assistant Professor of Freehand Drawing.

SHEPHERD STEVENS, A.B., A.D.G., Assistant Professor of Design.

HIRAM SAMUEL GUTSELL, B.P., A.M., Instructor in Freehand Drawing.

HUBERT E. BAXTER, B.Arch., Instructor in Architecture.

EDWARD M. URBAND, B.Arch., M.Arch., Instructor in Architecture.

Students in the College of Architecture receive instruction also from professors and instructors in the Colleges of Arts and Sciences, Civil Engineering, Mechanical Engineering, and Agriculture (Department of Landscape Design).

Each year, men distinguished in architecture or in allied professions are invited to lecture before the College. These lectures during the year 1914-15 were:

A. B. Trowbridge, B.Arch., Architect, New York City.

Wm. N. Taylor, A.B., Architecte Diplômé par le Gouvernement Français, New York City.

THE DEGREE OF BACHELOR OF ARCHITECTURE

For admission to the College of Architecture, see page 38; for tuition in the College of Architecture, see page 45.

The undergraduate instruction for students in the College of Architecture leads to the degree of Bachelor of Architecture, the requirement for which is the completion of one of the following curricula.

1. The curriculum of four years in architecture.
2. The curriculum of four years in construction.
3. The curriculum of five years in architecture.

For the requirements in military science and tactics and in physical culture, see page 172.

Admission as Special Students not Candidates for the Degree B.Arch.

Applicants may, without formal examination, be admitted to the two year special curriculum in architecture, provided they give satisfactory evidence of ability to do the work required and have neither been previously admitted to the University nor refused as candidates for admission. The applicant must be at

least twenty-one years of age; he must have had a good high school training or its equivalent, including particularly a good working knowledge of plane geometry and of algebra through quadratic equations; and should be familiar with the details and proportions of the classic orders of architecture. He must have had at least three years experience in some good architect's office, or its equivalent, and shall submit with his application examples of his draftsmanship. Architectural drawings in particular are required, and the applicant should submit any additional work that would show his artistic ability or his skill as draftsman. The application should be accompanied by a certificate that the drawings submitted are the work of the applicant.

THE CURRICULUM OF FOUR YEARS IN ARCHITECTURE

Freshman Year		No. of Course	1st Term	2d Term
Analytic Geometry and Calculus	...	8	3	3
Descriptive Geometry	...	9	3	—
History of Architecture	...	10	3	3
Elements of Architecture	...	11	2	4
Freehand Drawing	...	12	3	3
Shades and Shadows	...	13	1	—
Water Color Painting	...	14	—	2
Masonry Construction	...	15	—	2
Building Stones and Clay Products	...	30	2	—
Summer Reading (see page 142)	...			
Sophomore Year		No. of Course	1st Term	2d Term
History of Architecture	...	20	3	—
Design	...	21	8	8
Drawing from the Antique	...	22	1	2
Adv. Water Color Painting	...	23	2	—
Perspective	...	24	—	1
Historic Ornament	...	25	—	2
Modeling	...	26	—	2
Mechanics	...	27	—	2
Stereotomy	...	28	1	—
Oral Expression	...	29	3	—
Summer Reading (see page 142)	...			
Junior Year		No. of Course	1st Term	2d Term
History of Painting and Sculpture	...	30	1	1
Design	...	31	—	10
Design	...	31a	2	—
Drawing from the Antique	...	32	2	—
Fire-Resisting Construction	...	33	1	—
Planning of Domestic Buildings	...	34	2	—
Carpentry and Specifications	...	34a	2	—
Working Drawings	...	34b	4	—
Strength of Materials	...	35	3	—
Structural Design	...	35a	—	5
Heating, Plumbing, and Lighting	...	36	—	2
Senior Year (after 1915-16)		No. of Course	1st Term	2d Term
Modern Architecture	...	40	—	2
Design	...	41	10	8
Design	...	41a	—	4
Life Class	...	42	3	—
Elective	...		3	2

	Senior Year (1915-16)	No. of Course	1st Term	2d Term
Modern Architecture	40		—	2
Design	41		10	8
Design	41a		—	4
Life Class	42		2	—
Seminary	43		1	1
Fire-Resisting Construction	44		1	—
Elective			3	—

THE CURRICULUM OF FOUR YEARS IN CONSTRUCTION

	Freshman Year	No. of Course	1st Term	2d Term
Analytic Geometry and Calculus	8		3	3
Descriptive Geometry	9		3	—
History of Architecture	10		3	3
Elements of Architecture	11		2	4
Freehand Drawing	12		3	3
Shades and Shadows	13		1	—
Physics	2		—	5
Geology	30		2	—
Summer Reading (see page 142)				

	Sophomore Year	No. of Course	1st Term	2d Term
Masonry Construction	15		—	2
Design	21		8	8
Perspective	24		—	1
Stereotomy	28		1	—
Mechanics (C.E.)	20		5	5
Physics	7		3	—
Heating, Plumbing, and Lighting	36		—	2
Summer Reading (see page 142)				

	Junior Year	No. of Course	1st Term	2d Term
History of Architecture	20		3	—
Antique, Water Color, or Modeling			2	—
Planning of Domestic Buildings	34		2	—
Carpentry and Specifications	34a		2	—
Working Drawings	34b		4	—
Bridges (C.E.)	71		4	4
Materials Laboratory (C.E.)	22		—	2
Materials of Construction (C. E.)	25		—	3
Concrete Construction (C.E.)	77		—	3
Modern Architecture	40		—	2
Oral Expression	29		—	3

	Senior Year	No. of Course	1st Term	2d Term
Design	31		—	10
Design	31a		2	—
Fire-Resisting Construction	33		1	—
Steel Buildings (C.E.)	76		—	3
Not less than 16 hours from the following:				
Wood Technology (Forestry)	8		—	2
Political Economy	51		3	3
Testing Materials (C.E.)	27		3	—
Higher Structures (C.E.)	73		3	or 3
Masonry Foundations (C.E.)	74		3	or 3
Reinforced Concrete (C.E.)	72		2	or 2
Cost Keeping and Management (C.E.)	89		2	—
Specifications and Contracts (C.E.)	90		2	or 2
Engineering Design (C.E.)	91f		3	or 3
Engineering Problems (C.E.)	29		—	2

TWO YEAR SPECIAL CURRICULUM IN ARCHITECTURE

This special curriculum does not lead to a degree, but a certificate will be issued upon its satisfactory completion. Where students are prepared to do advanced work, arrangements will be made, within the limits of the curriculum, to meet individual cases.

	First Year	No. of Course	1st Term	2d Term
History of Architecture		10	3	3
Design		21	8	8
Freehand Drawing		12	3	3
Descriptive Geometry		9	3	—
Shades and Shadows		13	1	—
Perspective		24	—	1
Water Color Painting		14	—	2
	Second Year	No. of Course	1st Term	2d Term
History of Architecture		20	3	—
Design		41	10	8
Design		41a	—	4
Drawing from the Antique		22	1	—
Advanced Water-Color Painting		23	2	—
Modeling in Clay		26	—	2
Modern Architecture		40	—	2

THE CURRICULUM OF FIVE YEARS IN ARCHITECTURE

The curriculum of five years is intended primarily for students who are, in respect of advanced mathematics, unable to meet the requirements for entrance to one of the curricula of four years in the College of Architecture. In the freshman year of the five year curriculum, the lacking mathematical subjects must be taken, and in addition, there is opportunity for a considerable amount of elective work in the College of Arts and Sciences, or in one or both of the Colleges of Engineering. The specific details of the five year curriculum are arranged to suit the needs of the individual student; it however includes all the work of the regular four year curriculum or of the curriculum of four years in construction.

The Degrees of A.B. and B.Arch.

In accordance with the rules of the College of Arts and Sciences, qualified seniors in that college may take their senior year in the College of Architecture, receiving the degree of A.B. at the end of the year. If by their privileges of election of subjects in the College of Arts and Sciences, these seniors have during their first three years completed the required freshman subjects in architecture, they may thus, by the end of their fourth year of residence, complete the architectural subjects required in the sophomore year. The fifth year and the sixth year of residence, with registration in the College of Architecture, will then be the junior year and the senior year of the curriculum of four years in the College of Architecture.

By special arrangement between the colleges concerned, a student may in six years secure the degree of Bachelor of Architecture and the degree of Civil Engineer.

COURSES OF INSTRUCTION

1a. **Elementary Freehand Drawing.** Throughout the year. credit two hours a term. Assistant Professor CHAMBERLAIN and Mr. GUTSELL.

1b. **Elementary Freehand Drawing.** Throughout the year, credit three hours a term. Assistant Professor CHAMBERLAIN and Mr. GUTSELL.

2a. **Advanced Freehand Drawing.** Throughout the year, credit two hours a term. Prerequisite course 1b. Assistant Professor CHAMBERLAIN, and Mr. GUTSELL.

- 2b. **Advanced Freehand Drawing.** Throughout the year, credit three hours a term. Prerequisite course 1b. Assistant Professor CHAMBERLAIN and Mr. GUTSELL.
8. **Analytic Geometry and Calculus.** Throughout the year, credit three hours a term. Given in the College of Arts and Sciences.
9. **Descriptive Geometry.** First term, credit three hours. Prerequisite Solid Geometry. Professor YOUNG and Mr. BAXTER. Lectures and drawings nine hours a week.
10. **History of Architecture.** Throughout the year, credit three hours a term. Professor PHELPS. Lectures with assigned readings, sketches, and examinations.
11. **Elements of Architecture.** Throughout the year, credit two hours first term and four hours second term. Mr. URBAND. Three hours a week for each hour of credit.
12. **Freehand Drawing.** Throughout the year, credit three hours a term. Professor BRAUNER and Mr. GUTSELL. Nine hours a week.
13. **Shades and Shadows.** Beginning about Nov. 15 and continuing through the term, credit one hour. Must follow or be accompanied by Descriptive Geometry. Professor MARTIN and Mr. URBAND. Lectures and drawing.
14. **Water Color Painting.** Second term, credit two hours. Prerequisite course 12. Assistant Professor MIDJO and Mr. GUTSELL. Six hours a week.
15. **Masonry Construction.** Second term, credit two hours. Professor MARTIN. Lectures and recitations, supplemented by drawing and by inspection of actual work.
20. **History of Architecture.** First term, credit three hours. Prerequisite course 10. Professor PHELPS. Lectures with assigned readings, sketches, and examinations.
21. **Design.** Throughout the year, credit eight hours a term. Prerequisite courses 11 and 13. Assistant Professor BURNHAM. About twenty-four hours a week.
22. **Drawing from the Antique.** Throughout the year, credit one hour first term and two hours second term. Prerequisite course 12. Professor BRAUNER and Assistant Professor MIDJO.
23. **Advanced Water Color Painting.** First term, credit two hours. Prerequisite course 14. This is given in conjunction with course 22 and requires nine hours a week for two-thirds of the term, while course 22 requires nine hours a week for one-third of the term.
24. **Perspective.** Second term, credit one hour. Prerequisite courses 9 and 11. Professor MARTIN and Mr. BAXTER. Lectures and drawing.
25. **Historic Ornament.** Second term, credit two hours. Prerequisite courses 10 and 20. Professor PHELPS. Lectures and examinations.
26. **Modeling.** Second term, credit two hours. Assistant Professor MIDJO and Mr. GUTSELL. Six hours a week.
27. **Mechanics.** Second term, credit two hours. Assistant Professor YOUNG. Recitations.
28. **Stereotomy.** First term, credit one hour. Prerequisite course 9. Assistant Professor YOUNG and Mr. BAXTER.
29. **Oral Expression.** First term, credit three hours. Given in Arts and Sciences. Professor WINANS.
30. **History of Painting and Sculpture.** Throughout the year, credit one hour a term. Professor PHELPS.
- 30 (A and S.) **Building Stones and Clay Products.** First term, credit two hours. Professor RIES and Messrs. HOOK and WOLCOTT.
- 30a. **History of Art in Italy.** Throughout the year, credit two hours a term. Mr. GUTSELL.
- [30b. **Art North of the Alps.** Throughout the year, credit two hours a term. Mr. GUTSELL. Courses 30a and 30b are given in alternate years.] Not given in 1915-16.
31. **Design.** Second term, credit ten hours. Professor BOSSANGE. A continuation of course 21. About thirty hours a week.
- 31a. **Design.** First term, credit two hours. Prerequisite course 21. Professor BOSSANGE. Six hours a week, drawing and criticism.
32. **Drawing from the Antique.** First term, credit two hours. Prerequisite course 22. Professor BRAUNER and Assistant Professor MIDJO. Six hours a week.
33. **Fire Resisting Construction.** Second term, credit one hour. Professor MARTIN. Lectures with supplementary reading.
34. **Planning of Domestic Buildings.** First term, credit two hours. Prerequisite course 21. Professor BOSSANGE. Lectures and drawings about eighteen hours a week during a part of the term.
- 34a. **Carpentry and Specifications.** First term, credit two hours. Professor MARTIN.
- 34b. **Working Drawings.** Latter part of the first term, credit four hours. Prerequisite course 34. Professors MARTIN and BOSSANGE. Course 34b continues the work of course 34.
35. **Strength of Materials.** First term, credit three hours. Prerequisite course 27. Assistant Professor YOUNG and Mr. BAXTER. Recitations and lectures.
- 35a. **Structural Design.** Second term, credit five hours. Prerequisite courses 27 and 35. Assistant Professor YOUNG and Mr. BAXTER. Lectures and reports.
36. **Heating, Plumbing, and Lighting.** Second term, credit two hours. Professor MARTIN. Lectures and problems.
40. **Modern Architecture.** Second term, credit two hours. Prerequisite courses 10 and 20. Professor PHELPS.

41. **Design.** Throughout the year, credit ten hours first term, and eight hours second term. Prerequisite courses 21 and 31. Acting Professor KAHN. Continuation of Courses 21, 31, and 31a with advanced problems. Thirty to thirty-six hours a week.

41a. **Design.** Second term, credit four hours. Acting Professor KAHN. A continuation of course 41 consisting of a single major problem studied and worked up in detail as a thesis problem.

42. **Life Class.** Throughout the year, credit three hours first term and two hours second term. Professor BRAUNER. Three hours a week for each hour of credit.

43a. **Seminary in the History of Architecture.** Throughout the year, credit one hour a term. Prerequisite courses 10 and 20. Professor PHELPS.

50. **History of Architecture.** Throughout the year. Credit one hour a term. Professor PHELPS. Illustrated lectures with assigned reading and examinations.

[50a. **History of Renaissance Architecture.** First term, credit one hour. Prerequisite course 50 or course 10. Professor PHELPS.] Not given in 1915-16.

Summer Reading. In addition to the regular studies of the freshman and sophomore years the students are required to read during the summer recess, books of their own selection from assigned lists. The lists are prepared and one or more introductory lectures are given by one of the professors in the Department of English.

SCHOLARSHIPS AND PRIZES. The Sands Memorial Medal and the Brown Memorial Medal are awarded annually for especially meritorious work in design; the Fuertes Memorial Prizes in Public Speaking, are awarded to students in the Colleges of Architecture, Mechanical Engineering, and Civil Engineering. For these, and for the scholarships and prizes that are open to all students of the University, see page 163.

Graduates of the College of Architecture are admitted without examination to the preliminary competitions for scholarships in the American Academy in Rome; and they are excused from the usual examinations, except those relating to practical experience, required for admission to the American Institute of Architects and for license in those states where a license is required for the practice of architecture.

COLLEGE OF CIVIL ENGINEERING

For detailed information concerning the work of the College of Civil Engineering, candidates for admission to that college should consult the Announcement of the College of Civil Engineering which will be sent gratis on application to the Secretary of the University.

FACULTY

- JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President of the University.
EUGENE ELWIN HASKELL, C.E., Dean of the College of Civil Engineering and Professor of Experimental Hydraulics.
CHARLES LEE CRANDALL, C.E., M.C.E., Professor of Railroad Engineering. Emeritus.
IRVING PORTER CHURCH, C.E., M.C.E., Professor of Applied Mechanics and Hydraulics, in charge of the College Library.
HENRY SYLVESTER JACOBY, C.E., Professor of Bridge Engineering.
HENRY NEELY OGDEN, C.E., Professor of Sanitary Engineering.
JOHN THOMAS PARSON, Assistant Professor of Drawing, in charge of the Photographic and Drawing Collections.
ERNEST WILLIAM SCHODER, B.S., Ph.D., Assistant Professor of Experimental Hydraulics, in charge of the Hydraulic Laboratory.
FRED ASA BARNES, C.E., M.C.E., Professor of Railroad Engineering.
ORA MINER LELAND, B.S. (C.E.), Assistant Professor of Geodesy and Astronomy, in charge of the Department of Topographic and Geodetic Engineering.
MILES ALBION POND, Ph.B., Assistant Professor of Civil Engineering, in charge of Descriptive Geometry.
FRANCIS JOSEPH SEERY, B.S., Assistant Professor of Civil Engineering.
ERNEST WILLIAM RETTGER, A.B., Ph.D., Assistant Professor of Applied Mechanics.
SIDNEY GONZALES GEORGE, C.E., Assistant Professor of Applied Mechanics and Secretary of the College Faculty.
CHARLES LEOPOLD WALKER, C.E., Assistant Professor of Sanitary Engineering.
KENNETH BERTRAND TURNER, C.E., M.C.E., Assistant Professor of Hydraulics.
ADELBERT PHILO MILLS, B.S. (C.E.), M.S. (C.E.), Assistant Professor of Testing Materials.
PAUL HALLADAY UNDERWOOD, C.E., Assistant Professor of Topographic and Geodetic Engineering.
EARLE NELSON BURROWS, C.E., M.C.E., Assistant Professor in Bridge Engineering.
WALTER LICHTENTHAELER CONWELL, C.E., Assistant Professor in Civil Engineering.
LEONARD ALEXANDER LAWRENCE, B.S., Instructor in Surveying.
JULIUS FREDERICK BRAUNER, C.E., Instructor in Civil Engineering.
LEONARD CHURCH URQUHART, C.E., Instructor in Bridge Engineering.
ERNEST CHARLES WHITE, C.E., Instructor in Civil Engineering.
WILLIAM EDWARD BEITZ, C.E., Instructor in Civil Engineering.
CARL CRANDALL, C.E., Instructor in Civil Engineering.
CARL HARMAN KNOETTGE, B.A. and B.S. in C.E., Instructor in Bridge Engineering.
HERBERT VINTON HOTCHKISS, B.S. in C.E., Instructor in Civil Engineering.
EDWARD RAY STAPLEY, C.E., Instructor in Civil Engineering.
JOHN E. PERRY, B.S. in C.E., Instructor in R. R. Engineering.
HOWARD THOMPSON CRITCHLOW, C.E., Instructor in Surveying.
HERBERT EDWARD HAYES, C.E., Instructor in Testing Materials.
CHAUNCEY RUTHVEN MCANLIS, C.E., M.C.E., Instructor in Surveying.

THE DEGREE OF CIVIL ENGINEER

For admission to the College of Civil Engineering, see page 38; for tuition in the College of Civil Engineering, see page 45.

The undergraduate instruction for students in the College of Civil Engineering leads to the degree of Civil Engineer, the requirement for which is the completion of one of the following curricula. For the requirements in military science and tactics and in physical culture, see page 172.

1. The curriculum of four years in civil engineering.
2. The curriculum of five years in civil engineering.

The Curriculum of Four Years in Civil Engineering

	FRESHMAN YEAR	No. course	First term	Second term
Analytics		5	5	—
Differential and Integral Calculus		5	—	6
Physics		2	5	—
Physics		7	—	3
Chemistry		1	—	6
Descriptive Geometry		1	2	3
Drawing		2	2	—
Elementary Surveying		10	3	—

During the first term there will be offered to the freshmen, without credit, a course of weekly lectures devoted to a general discussion in the field of civil engineering. Attendance at these lectures is obligatory.

	SOPHOMORE YEAR	No. course	First term	Second term
Geology		31	3	3
Mechanics of Engineering		20	5	5
Materials Laboratory		22	2 or 0	0 or 2
Drawing		4	1 or 3	3 or 1
Advanced Surveying		11	2	4
Materials of Construction		25	3 or 0	0 or 3
Physics		14	0 or 2	2 or 0
Engineering Calculations		21	2	—
Summer Survey (five weeks in June and July)		13	—	6

The work of the junior and senior years consists of the studies in some one of the six groups shown in the appended tabulation: (a) general; (b) geodetic; (c) hydraulic; (d) sanitary; (e) railroad; (f) bridge. The selection of the group is made at the beginning of the junior year.

The general group is recommended for all students who have no urgent reasons for electing one of the special groups.

JUNIOR YEAR

Course No.	Gen. (a) I-II	Geod. (b) I-II	Hyd. (c) I-II	San. (d) I-II	R.R. (e) I-II	Bridge (f) I-II
51 Political Economy	3	3	3	—	3	3
60 Railroads	4	4	4	4	4	4
71 Bridges	4	4	4	4	4	4
23 Hydraulics	5	—	5	—	5	—
52 Municipal Engineering	—	3	—	3	—	3
29 Engineering Problems	—	2	—	2	—	2
14 Survey Computations and Mapping	2	2	2	2	—	2
50 Sanitary Biology	—	—	—	—	5	—
6 Chemistry	—	—	—	—	5	—
77 Concrete Construction	—	—	—	3	—	—
6 Public Speaking	—	—	2	—	—	—
64 Roads and Pavements	—	—	1	—	1	—
	18	18	18	18	17	18

Course No.		SENIOR YEAR											
		Gen. (a) I-II		Geod. (b) I-II		Hyd. (c) I-II		San. (d) I-II		R.R. (e) I-II		Bridge (f) I-II	
16	Advanced Topographic Survey- ing	-	-	2	-	-	-	-	-	-	-	-	-
17	Geodesy and Geodetic Labora- tory	-	-	3	-	-	-	-	-	-	-	-	-
18	Geodetic Astronomy	-	-	-	3	-	-	-	-	-	-	-	-
26	Advanced Mechanics	3 or 3	-	-	-	-	-	-	3	-	-	-	-
30	Water Supply	3 or 3	3	-	3	-	3	-	3 or 3	-	-	-	3
31	Hydraulic Construction	-	-	-	3	-	3	-	-	-	-	-	-
32	Water Power Engineering	-	-	-	-	3	-	-	-	-	-	-	-
41	Hydraulic Measurements	-	-	-	-	3	-	-	-	-	-	-	-
42	Experimental Hydraulic Motors and Pumps.	-	-	-	-	-	3	-	-	-	-	-	-
53	Purification and Control of Water Supplies	-	-	-	-	-	-	-	3	-	-	-	-
53a	Sewage and Water Purification	2	-	-	-	-	-	-	-	-	-	-	-
54	Sewage Works	-	-	-	-	-	-	3	-	-	-	-	-
55	Sanitary Laboratory	-	-	-	-	-	-	-	3	-	-	-	-
61	Railroad Maintenance of Way	-	-	-	-	-	-	-	-	3	-	-	-
62	Railroad Operation and Man- agement	-	-	-	-	-	-	-	-	-	3	-	-
64	Roads and Pavements	1 or 1	-	-	-	-	1	-	-	-	1	-	1
71	Structural Design	-	-	-	-	-	-	-	4	-	-	-	-
72	Reinforced Concrete Arches	-	-	-	-	-	-	-	-	-	-	-	3
73	Higher Structures	-	-	-	-	-	-	-	-	-	-	3	-
74	Masonry and Foundations	3 or 3	3	-	-	-	-	-	-	-	-	-	3
77	Concrete Construction	3 or 3	3	-	-	-	-	3	-	3 or 3	3	3	-
90	Specifications and Contracts	2 or 2	-	2	-	2	-	2	2	-	2	-	-
91	Engineering Design	3 or 3	-	3	-	3	3	-	-	3	-	-	3
92	Thesis	-	3	-	3	3	-	3	3	-	3	-	-
51	Political Economy	-	-	-	-	-	-	3	-	-	-	-	-
E12	Electrical Engineering	4	-	4	-	4	-	-	-	4	-	4	-
69	Chemistry: Water Analysis	-	-	-	-	-	-	3	-	-	-	-	-
PII	Steam Machinery	-	3	-	3	-	3	-	3	-	3	-	3
	Elective	3	-	-	-	-	3	-	-	-	3	3	-
		18	18	17	17	16	18	18	18	18	16	18	16

In the general group a senior may, with the approval of his class adviser, substitute three hours for advanced mechanics, first term, or for masonry and foundations, second term or for both. Engineering design in the general group and in the geodetic group may be taken in any one of the other groups by approval of the head of the department concerned. Work in engineering design or in investigation may be substituted for the required thesis. But this substitution must be approved by the professor in charge of the group which the student has elected. For the general group the substitution must be approved by the class adviser and by the department concerned.

The Curriculum of Five Years in Civil Engineering

	FIRST YEAR	No. course	First term	Second term
Solid Geometry, Trigonometry		1, 3	—	6
Advanced Algebra		2(E)	3	—
Chemistry		1, 6	6	5
Drawing		2, 4	2	4
Elective in any college of the University			6	3
			—	—
			17	18

SECOND YEAR	No. course	First term	Second term
Analytic Geometry	5	5	—
Calculus	5	—	6
Physics	2, 7	5	3
Descriptive Geometry	1	2	3
Elementary Surveying	10	3	—
Elective in any college of the University		2	6
		—	—
		17	18
Summer Survey (five weeks in June and July)	13		6

The third, fourth and fifth years are the same as the second, third and fourth years of the four year course, respectively, excepting that in the third year of the five year course Drawing 4 will be replaced by Elective 3 hours in the second term.

THE DEGREES OF BACHELOR OF ARTS AND CIVIL ENGINEER

In accordance with the rules of the College of Arts and Sciences, qualified seniors in that college may take their senior year in the College of Civil Engineering, receiving the degree A.B. at the end of the year. If by their privileges of election of subjects in the College of Arts and Sciences, these seniors have during their first three years completed the required freshman subjects in civil engineering, they may thus, by the end of their fourth year of residence, complete the engineering subjects required in the sophomore year. The fifth and the sixth years of residence, with registration in the College of Civil Engineering, will then be the junior year and the senior year respectively of the curriculum of four years in the College of Civil Engineering.

The following subjects are to be included in the course of study of at least 90 hours in the College of Arts and Sciences during the first three years of residence:

	No. course	First term	Second term
Analytic Geometry	5	5	—
Calculus	5	—	6
Physics	2, 7	5	3
Physics	10	1	1
Chemistry	1	6	(or 6)
Chemistry	6	5	(or 5)
Geology	31	3	3
Descriptive Geometry	1	2	3
Drawing	2	2	—
Elementary Surveying	10	3	—

The following subjects in Civil Engineering are to be taken during the fourth year, when registered in both colleges:

	No. course	First term	Second term
Political Economy	51	3	3
Drawing	4	3	1
Advanced Surveying	11	2	4
Mechanics of Engineering	20	5	5
Engineering Calculations	21	2	—
Materials Laboratory	22	—	2
Materials of Construction	25	—	3
Physics	14	2	—
Summer Survey (five weeks in June and July)	13		6

COURSES OF INSTRUCTION

Descriptive Geometry and Drawing

1. **Descriptive Geometry.** Credit two hours first term, and three hours second term. Assistant Professor POND and Mr. HOTCHKISS.
2. **Drawing and Lettering.** Credit two hours. Six hours a week during first term. Assistant Professor POND and Messrs. STAPLEY and HOTCHKISS.
4. **Drawing and Lettering.** For one-half of the class, a credit of one hour the first term and three hours the second; and for the other half, a credit of three hours the first term and one hour the second term. Prerequisite course 1. Assistant Professor PARSON.

Topographic and Geodetic Engineering

10. **Elementary Surveying.** First term, credit three hours. One recitation and two field or computation periods a week. Assistant Professors LELAND and UNDERWOOD, and Messrs. LAWRENCE, MCCURDY and STAPLEY.
11. **Advanced Surveying.** First term, credit two hours; second term, credit four hours. Prerequisite course 10. Assistant Professors LELAND and UNDERWOOD, and Messrs. LAWRENCE and MCCURDY.
- 11a. **Advanced Surveying.** Primarily for students in forestry and landscape art. Second term, credit four hours. Prerequisite course 10. Assistant Professor LELAND and Mr. LAWRENCE.
12. **Elementary Surveying.** Primarily for students in Sibley College. Second term, credit two hours. Messrs. LAWRENCE and MCCURDY.
13. **Summer Survey; Topographic, Hydrographic, and Geodetic Survey; Camp.** Five weeks in June and July; credit six hours. Prerequisite course 11. Assistant Professors LELAND and UNDERWOOD, and Messrs. LAWRENCE, MCCURDY, STAPLEY, and six others.
14. **Survey Computations and Mapping.** Throughout the year, credit two hours each term. Prerequisite course 13. Assistant Professors LELAND and UNDERWOOD; and Mr. LAWRENCE.
15. **Least Squares; Adjustment of Observations.** Prerequisite, Calculus and Physics. First term, credit two hours. Lectures and recitations. Assistant Professor UNDERWOOD.
16. **Advanced Topographic Surveying.** Prerequisite courses 11 and 13. First term, credit two hours. Assistant Professor LELAND.
17. **Geodesy and Geodetic Laboratory.** Prerequisite course 11. First term, credit three hours. Lectures, readings, discussions, and laboratory work. Assistant Professor LELAND.
18. **Geodetic Astronomy.** Second term, credit three hours. Prerequisite course 11. Lectures, recitations, and observations. Assistant Professors LELAND and UNDERWOOD.

Applied Mechanics and Hydraulics

20. **Mechanics of Engineering.** Throughout the year, credit five hours a term. Prerequisite Mathematics, course 5. Professor CHURCH, Assistant Professors GEORGE and RETTGER, and Messrs. BRAUNER, C. CRANDALL, and BUTTS.
21. **Engineering Calculations.** First term, credit two hours. Prerequisite, Mathematics, course 5. Professor CHURCH and Messrs. ——— and ———.
22. **Materials Laboratory.** Either term (one-half of the class each term), credit two hours. Must be preceded by, or taken with, course 20 and must be taken with course 25. Assistant Professor MILLS, and Messrs. BRAUNER, BUTTS, and ———.
23. **Hydraulics.** First term, credit five hours. Prerequisite course 20. Lectures and recitations. Professor CHURCH, and Assistant Professors GEORGE, SCHODER, and TURNER.
25. **Materials of Construction.** Either term (one-half of the class each term), credit three hours. Must be preceded by, or taken with, course 20, and must be taken with course 22. Recitations. Assistant Professor MILLS and WALKER, and Mr. BUTTS.
26. **Advanced Mechanics.** Either term, credit three hours. Prerequisite course 20. Recitations. Professor CHURCH and Assistant Professor RETTGER.
27. **Testing Materials.** Second term, credit three hours. Prerequisite courses 22 and 25 or their equivalents. Seven and one-half hours a week. Assistant Professor MILLS and Messrs. BUTTS and CONWELL.
29. **Engineering Problems.** Second term, credit two hours. Prerequisite courses 20 and 23. Computations and reports; six hours a week. Professor CHURCH, and Assistant Professors GEORGE RETTGER, and TURNER.

Hydraulic Engineering

30. **Water Supply.** Either term, credit three hours. Prerequisite course 23. Recitation and problems. Assistant Professors SEERY and WALKER.
31. **Hydraulic Constructions.** Second term, credit three hours. Two recitations and one computing period a week. Assistant Professor SEERY, and Mr. C. CRANDALL.
32. **Water Power Engineering.** First term, credit three hours. Prerequisite course 23. Recitations and problems. Assistant Professor SEERY.

Experimental Hydraulics

41. **Hydraulic Measurements.** First term, credit three hours. Prerequisite course 23. Three three-hour periods a week. Assistant Professors SCHODER and TURNER.

42. **Experimental Hydraulic Motors and Pumps.** Second term, credit three hours. Three three-hour periods a week. Assistant Professors SCHODER and TURNER.

43. **Experimental Hydraulic Investigation.** Either term, credit three hours. Three three-hour periods a week. Assistant Professor SCHODER.

44. **Advanced Experimental Hydraulics.** The facilities of the Hydraulic Laboratory are available for thesis work and for experimental investigations. Professor HASKELL and Assistant Professor SCHODER.

Municipal and Sanitary Engineering

50. **Sanitary Biology.** Second term, credit five hours. Prerequisite Chemistry, course 6. Three recitations and two laboratory periods a week. Assistant Professor WALKER.

52. **Municipal Engineering.** Second term, credit three hours. Prerequisite course 23. Recitations, lectures, and problems. Professor OGDEN and Assistant Professor WALKER.

53. **Purification and Control of Water Supplies.** Second term, credit three hours. Prerequisite course 23. Professor OGDEN.

53a. **Sewage and Water Purification.** First term, credit two hours. Prerequisite course 52. Lectures, recitations, and problems. Professor OGDEN.

54. **Sewage Works.** First term, credit three hours. Prerequisite course 52. Lectures and recitations. Three hours a week for fifteen weeks. Professor OGDEN.

55. **Sanitary Laboratory.** Second term, credit three hours. Prerequisite courses 50, 52, and Chemistry 6. Nine hours a week. Professor OGDEN.

56. **Municipal Engineering.** Lectures, reports, and readings. Three hours. For graduates. Professor OGDEN.

57. **Purification of Water.** Three hours. For graduates. Professor OGDEN.

58. **Conference on Present Methods of Sewage Disposal.** Inspection and reports. Three hours. For graduates. Professor OGDEN.

59. **A Laboratory Course for Graduates.** Professor OGDEN and Assistant Professor WALKER.

Railroad and Highway Engineering

60. **Railroad Surveying, Construction, and Economics.** Throughout the year, credit four hours a term. Prerequisite courses 10, 11, and 13. Professor CRANDALL, Assistant Professor BARNES, and Messrs. CONWELL and WHITE.

61. **Railroad Maintenance of Way.** First term, credit three hours. Prerequisite course 60. Lectures and recitations. Professor CRANDALL.

62. **Railroad Operation and Management.** Second term, credit three hours. Prerequisite course 60. Lectures and recitations. Assistant Professor BARNES.

63. **Railroad Construction and Maintenance.** For students in Sibley College. Second term, credit two hours. Recitations. Assistant Professor BARNES.

64. **Roads and Pavements.** Either term, credit one hour. Prerequisite course 60. Lectures and recitations. Professor CRANDALL and Mr. CONWELL.

65. **Highway Engineering.** Second term, credit three hours. Prerequisite course 60. Lectures and recitations. Professor CRANDALL and Mr. CONWELL.

66. **Highway Laboratory.** Either term, credit three hours. Professor CRANDALL and Mr. CONWELL.

Bridge Engineering

71. **Structural Design.** Throughout the year, credit four hours a term. Prerequisite course 20. Structural details, first term, eight weeks; Bridge Stresses, first term, two hours a week for eight weeks, thereafter four hours a week; Bridge Design, second term. Professor JACOBY, and Messrs. BURROWS, KNOETTGE, and BEITZ.

72. **Reinforced Concrete Arches.** Either term, credit three hours. Prerequisites course 20 and first part of course 71. Lectures, computation, and drawing. Messrs. BURROWS and URQUHART.

73. **Higher Structures.** Either term, credit three hours. Prerequisite courses 20 and 71. Recitations. Professor JACOBY.

74. **Masonry and Foundations.** Either term, credit three hours. Prerequisite course 20. Recitations, collateral reading, and reports. Professor JACOBY.

76. **Steel Buildings.** Second term, credit three hours. Prerequisite courses 20 and 71. Recitations, lectures, and reports. Six hours a week for eleven weeks, thereafter three hours a week. Mr. KNOETTGE.

77. **Concrete Construction.** Either term, credit three hours. One recitation and two drawing periods a week. Messrs. BURROWS and URQUHART.

Specifications, Designs, Etc.

89. **Cost Keeping and Management.** First term, credit two hours. Assistant Professor BARNES

90. **Specifications and Contracts.** Two hours, either term. Lectures and recitations. Professor CRANDALL and Assistant Professor BARNES.

91. **Engineering Design.** Credit three hours.

Engineering design for students in the general group (a) and in the geodetic group (b) may be taken in any one of the other groups by approval of the head of the department concerned. (c) **Hydraulic Engineering.** Second term. Prerequisite courses 23 and 29. Professor CHURCH and Assistant Professors GEORGE and RETTGER. (d) **Sanitary Engineering.** First term. Must be preceded by or taken at the same time as course 54. Professor OGDEN. (e) **Railroad Engineering.** Second term. Professor CRANDALL. (f) **Bridge Engineering.** Second term. Prerequisite course 71 and for certain designs, courses 73 and 77. Professor JACOBY, and Mr. KNOETTGE.

92. **Thesis.** Credit three hours.

MEDALS AND PRIZES

The Fuertes Medals, two in number, are awarded annually on the recommendation of the Faculty of the College of Civil Engineering. For these medals see page 167.

The Fuertes Memorial Prizes in Public Speaking are awarded only to students in the College of Civil Engineering, Mechanical Engineering, and Architecture. For these and for the scholarships and prizes that are open to all students of the University, see page 168.

The William C. Seidell Book Fund of \$1,000, founded by Gerrit S. Miller, the income of which is used for the purchase of books for poor young men who are working their way through the College of Civil Engineering. Preference is given to members of the freshman class.

SIBLEY COLLEGE OF MECHANICAL ENGINEERING AND THE MECHANIC ARTS

FACULTY

- JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President of the University.
ALBERT WILLIAM SMITH, B.M.E., M.M.E., Dean of the Faculty, and Professor of Power Engineering, in charge of the Department.
ROLLA CLINTON CARPENTER, M.S., C.E., M.M.E., LL.D., Professor of Experimental Engineering, in charge of the Department of Engineering Research.
DEXTER SIMPSON KIMBALL, A.B., M.E., Professor of Machine Design and Industrial Engineering, in charge of these Departments.
GEORGE ROBERT McDERMOTT, Professor of Structural Design.
HERMAN DIEDERICHS, M.E., Professor of Experimental Engineering, in charge of the Department.
ALEX GRAY, B.S. in C.E., B.S. in E.E., Whitworth Scholar, Professor of Electrical Engineering, in charge of the Department.
WILLIAM NICHOLS BARNARD, M.E., Professor of Power Engineering.
VLADIMIR KARAPETOFF, C.E., Professor of Electrical Engineering.
CLARENCE FLOYD HIRSHFIELD, B.S., M.M.E., Professor of Power Engineering. (On leave.)
HOWARD DRYSDALE HESS, M.E., Professor of Machine Design.
EDGAR HARPER WOOD, M.M.E., Professor of Mechanics of Engineering, in charge of the Department.
CALVIN DODGE ALBERT, M.E., Assistant Professor of Machine Design.
WILL MILLER SAWDON, B.S., M.M.E., Assistant Professor of Experimental Engineering, assigned to the Department of Engineering Research.
WALTER STEBBINS FORD, M.E., Assistant Professor of Electrical Engineering.
GEORGE BURR UPTON, M.M.E., Assistant Professor of Experimental Engineering.
LESLIE DAVID HAYES, M.E., Assistant Professor of Machine Design.
SEYMOUR STANTON GARRETT, C.E., Assistant Professor of Mechanics of Engineering.
ALBERT EDWARD WELLS, Assistant Professor of Machine Construction, in charge of the Department.
ROBERT LONG DAUGHERTY, A.B., M.E., Assistant Professor of Hydraulics.
FRANK OAKES ELLENWOOD, A.B., Assistant Professor of Power Engineering.
VICTOR RAYMOND GAGE, M.E., Assistant Professor of Experimental Engineering.
ROBERTSON MATTHEWS, M.E., Assistant Professor of Power Engineering.
CLARENCE WALTER HAM, M.E., Assistant Professor in Machine Design.
FRANK GIRARD TAPPAN, A.M., M.E., Instructor in Electrical Engineering.
DANIEL ROBERT FRANCIS, E.E., B.A., Instructor in Mechanics of Engineering.
W. RODNEY CORNELL, B.Sc., Instructor in Mechanics of Engineering.
HENRY MARK PARMLEY, M.M.E., Instructor in Mechanics of Engineering.
FRED EDGAR KLINCK, M.E., Instructor in Experimental Engineering.
MYRON A. LEE, M.M.E., Instructor in Machine Design.
CHARLES DUDLEY CORWIN, M.E., Instructor in Machine Design.
WARREN HOWARD HOOK, M.E., Instructor in Experimental Engineering.
JOHN GEORGE PERTSCH, M.E., Instructor in Electrical Engineering.
CLARENCE ELLSWORTH TOWNSEND, M.E., Instructor in Machine Design.

WILLIAM CYRUS BALLARD, M.E., Instructor in Electrical Engineering.
CLARENCE ANDREW PEIRCE, A.B., M.E., Instructor in Power Engineering.
GROVER CLEVELAND MILLS, B.M.E., Instructor in Machine Design.
ALEXANDER CHILSON STEVENS, M.E., Instructor in Electrical Engineering.
ROBERT FRANKLIN CHAMBERLAIN, M.E., Instructor in Electrical Engineering.
WILLIAM JACOB DIEDERICHS, M.E., Instructor in Experimental Engineering.
RALPH BURNETTE DAY, M.E., Instructor in Mechanics of Engineering.
HAROLD WARNER BROWN, B.S., M.M.E., Instructor in Electrical Engineering.
WELLES GOODSPEED CATLIN, M.E., Instructor in Electrical Engineering.
THOMAS ORMOND HUSSEY, M.E., Instructor in Machine Design.
ARNOUD JACOB JORIS VAN DER DOES DE BYE, M.E., Instructor in Machine Design.
EDWARD TOMPKINS JONES, M.E., Instructor in Power Engineering.
CARROL GARDNER BROWN, B.S. in E.E., Instructor in Electrical Engineering.
ENOCH FRANCIS GARNER, M.E., Instructor in Machine Design.
ROY EDWARD CLARK, M.E., Instructor in Power Engineering.
LOUIS JACQUELIN BRADFORD, B.S., Instructor in Machine Design.
HENRY HILL WATERS, M.E., Instructor in Machine Design.
PERCY GEORGE MCVETTY, M.E., Instructor in Research Engineering.
CHARLES HAROLD BERRY, M.E., Instructor in Power Engineering.
ROBERT WILLIAM GRAHAM, E.E., Instructor in Electrical Engineering.
CHARLES BIGELOW BENNETT, E.E., Instructor in Electrical Engineering.
WILLIAM ALBERT GIBSON, A.B., M.E., Instructor in Experimental Engineering.
WILLIAM DEANS, JR., M.E., Instructor in Electrical Engineering.
ADAM CLARK DAVIS, M.E., Instructor in Experimental Engineering.
EDGAR HUTTON DIX, JR., M.E., Instructor in Experimental Engineering.
JAMES LEFFERTS LANDT, M.E., Instructor in Experimental Engineering.
CHARLES GARRET THATCHER, A.B., Instructor in Machine Design.
CHARLES EDWIN THOMAS, M.E., Instructor in Experimental Engineering.
FRED STILLMAN ROGERS, M.E., Instructor in Machine Design.
E. RICHARD PAGE, B.S., Instructor in Electrical Engineering.
NORMAN NEVIL TILLEY, M.E., Instructor in Experimental Engineering.
HERMAN STEPHENSON, M.E., Instructor in Machine Design.
HAROLD HOWARD CLARK, M.E., Instructor in Machine Design.
MAC RAE PARKER, M.E., Instructor in Machine Design.
GEORGE DAVID FLOYD, B.Sc. in A., B.Sc. in E.E., Instructor in Electrical Engineering.
HERBERT MEDILL SHARP, M.E., Instructor in Electrical Engineering.

Assistants

JAMES EUGENE VANDERHOF, Foreman of Foundry.
WALTER LISTON HEAD, Foreman of Forge Shop.
LEROY HOOPER, Foreman of Pattern Shop.
BIRDETTE NEWTON HOWE, Assistant in Machine Shop.
HOWARD STANLEY BUSH, Assistant in Pattern Shop.
CHARLES ALBERT BROOKS, Assistant in Forge Shop.
WILLIAM BENJAMIN BUCK, Assistant in Machine Shop.
NICHOLAS BARNARD BLOCK, Assistant in Machine Shop.
DEWARD ARMENIAS EVANS, Assistant in Foundry.
HARRY WILLIAM PRICE, Assistant in Pattern Shop.

FREDERICK GOTLIEB BAENDER, B.S. in M.E., Librarian of Sibley College.
HUGO N. DIEDERICHS, Assistant in Machine Design.
CHARLES HOWARD LANDON, Assistant in Machine Design.

THE DEGREE OF MECHANICAL ENGINEER

For admission to Sibley College, see page 38; for tuition and fees in Sibley College, see page 45.

The undergraduate instruction for students in Sibley College leads to the degree of Mechanical Engineer, the requirement for which is the completion of one of the following curricula. For the requirements in military science and tactics and in physical culture see page 172.

- 1. The curriculum of four years in mechanical and electrical engineering.
- 2. The curriculum of four years in subjects related to mining engineering.
- 3. The curriculum of five years in mechanical and electrical engineering.
- 4. The curriculum of five years in subjects related to mining engineering.

1. The Curriculum of Four Years in Mechanical and Electrical Engineering

In the curriculum of four years leading to the degree of Mechanical Engineer, instruction is the same for all students during the first three years. In the fourth year, some opportunity is afforded for specializing in the different branches of mechanical and electrical engineering.

NOTE. In referring to courses the following abbreviations are used: Mechanics of Engineering, M; Power Engineering, P; Experimental Engineering, X; Electrical Engineering, E; Machine Design, D; Shop, S; Engineering Research, R.

FRESHMAN YEAR

Course	No. Course	Hours 1st Term	Hours 2d Term
Analytic Geometry and Calculus	6	6	6
Chemistry	1	0	6
Physics	3	6	0
Drawing and Desc. Geom	D 1, 2	3	3
Foundry	S3	2 or 0	0 or 2
Forge	S4	0 or 1	1 or 0
Engineering Principles	S2	0 or 1	1 or 0

SOPHOMORE YEAR

Course	No. Course	Hours 1st Term	Hours 2d Term
Mechanics of Engineering	M5, 6	5	5
Physics, Recitations	8, 9	2	2
Physics Laboratory	14	2	2
Chemistry	6	0 or 5	5 or 0
Kinematics	D6	0	2
Drawing	D5, 7	3	3
Materials	X6	2	0
Pattern Making	S7	3 or 0	0 or 3

JUNIOR YEAR

Course	No. Course	Hours 1st Term	Hours 2d Term
Heat-Power Engineering	P10	3	3
Electrical Engineering	E14	2	2
Electrical Engineering	E15	2	2
Mechanical Laboratory	X10, 11	3	3
Machine Design—			
(a) Drawing	D10	2	2
(b) Lectures and Recitations	D16	3	3
Machine Work	S10	2	2
Industrial Organizations	I11	2	0
Hydraulics	M12	0	2

SENIOR YEAR

In the senior year the student must complete one of the following options:

Option A: Senior Electrical Engineering Option:

Course	No. Course	Hours 1st Term	Hours 2d Term
Power Plant Design	P20	3	3
Mechanical Laboratory	X20	3	0
Electrical Laboratory	E28	4	4
Electrical Machinery	E20	2	2
Electrical Machinery	E21	4	4
Economics	52	2	2
*Elective (limited) } or Thesis .....	...	0 or 2	2 or 0
Elective (open) } R. 27, page 159 .....	...	0	2

Option B—Senior Heat-Power Engineering Option:—

Course	No. Course	Hours 1st Term	Hours 2d Term
Power Plant Design	P20	3	3
Mechanical Laboratory	X20, 21	3	3
Electrical Engineering	E 35	2	2
Economics	52	2	2
Heat-Power Machinery Design	P23	3	3
Drawing and Design	P24	2	2
Elective (or Thesis, R. 27, page 159)		4	4

Option C—Senior Structural and Plant Engineering Option:—

Course	No. Course	Hours 1st Term	Hours 2d Term
Power Plant Design	P20	3	3
Mechanical Laboratory	X20, 21	3	3
Electrical Engineering	E35	2	2
Economics	52	2	2
S. & P. Engineering Design	D22	2	2
Drawing and Design	D23	3	3
Elective (or Thesis, R. 27, p. 159)		4	4

*Limited to E22, 23, 25, 27, 30, 34, Phys. 15, 27, 33 and 34 and M21.

Option D—Senior Ship Design and Construction Option:—

Course	No. Course	Hours 1st Term	Hours 2d Term
Power Plant Design	P20	3	3
Mechanical Laboratory	X20, 21	3	3
Electrical Engineering	E35	2	2
Economics	52	2	2
Ship Design	D25	3	3
Speed and Power of Ships	D26	0	2
Drawing and Computations	D27	3	3
Specifications, Contracts, etc	D28	2	0
Elective		0	2

Option E—Senior Industrial Engineering Option:—

Course	No. Course	Hours 1st Term	Hours 2d Term
Power Plant Design	P20	3	3
Mechanical Laboratory	X20, 21	3	3
Electrical Engineering	E35	2	2
Industrial Administration	I20	2	2
Drawing and Design	I22	3	3
Safety Eng'g and Fire Protection	I23	0	2
Economics, as prescribed		6	4

Suggested Technical Electives. These electives may be taken only with the approval of the Class Adviser and of the departments concerned.

FOR SENIORS ONLY

Thesis, R27; Steam Boiler Design, P30; Steam Turbines, P25; Gas Manuf. and Distribution, P28; Gas Power Machinery, P29; Advanced Heat-Power Engineering, P40; Engineering Research, R22; Power Plant Testing, R23; Motor Car Construction, R24; Heating and Ventilating, R25; Engineering Notes D24; Speed and Power of Ships, D26; Advanced Designing, D40; Industrial Administration, I20; Safety Eng'g and Fire Protection, I23; Advanced Industrial Engineering, I40; Special Elect. Eng. Problems, E33; Engineering Mathematics, E30; Hydraulic Turbines, M21; Railway Cons. and Maintenance, C. E. 63; Concrete Construction, C.E. 77; Alternating Currents, Phys. 33; Electrical Lab. Practice, Phys. 34.

GENERAL ELECTIVES

A student having the necessary preparation may, with the approval of his Class Adviser and of the department concerned, take any subject in any department in the University.

2. The Curriculum of Four Years in Subjects Related to Mining Engineering

FRESHMAN YEAR

Course	No. Course	Hours 1st Term	Hours 2d Term
Analytical Geometry and Calculus	6	6	6
Chemistry, Introductory Inorganic	Chem. 1	6	0
Chemistry, Qualitative Analysis	" 7	0	6
Physics	Phys. 2, 7	5	3
Crystallography	Geol. 12	0	3

SOPHOMORE YEAR

Course	No. Course	Hours 1st Term	Hours 2d Term
Mechanics of Engineering	M5, 6	5	5
Chemistry, Quantitative Analysis	Chem. 12	0	6
Physics Laboratory	Phys. 14	4	0
Mineralogy	Geol. 13	3	0
Dynamic and Historic Geology	" 1, 21	3	3
Drawing	D1, 2	3	3
Forge Shop	S4	0	2

JUNIOR YEAR

Course	No. Course	Hours 1st Term	Hours 2d Term
Kinematics	D6	0	2
Drawing	D5, 7	3	3
Hydraulics	M12	0	2
Heat-Power Engineering	P10	3	3
Metallurgy of Iron and Steel	X6	2	0
General Econ. Geology	Geol. 32	3	3
Mining of Mineral Deposits	" 34	3	3
Surveying	C.E. 10, 11	3	4

During the summer following the junior year the student is required to devote about eight weeks to field work in Mining and Ore Dressing.

SENIOR YEAR

Course	No. Course	Hours 1st Term	Hours 2d Term
Assaying	Chem. 18	3	0
Blowpipe Determination of Minerals	Geol. 14	1	0
Machine Design—			
(a) Drawing	D10	2	2
(b) Lectures and Recitations	D16	3	3
Mining Methods and Design	D39	2	2
Mechanical Laboratory	X10, 11	3	3
Examination of Mineral Deposits	Geol. 33	0	2
Electrical Engineering	E14	2	2
Electrical Engineering	E15	2	2
Machine Work	S10	0	2
Elective		0	2

3. The Curriculum of Five Years in Mechanical and Electrical Engineering

A student who includes three units of mathematics in his subjects for admission to the five year curriculum, may be able to graduate in four years, but this is possible only in case he shows unusual proficiency in college mathematics and attends one or more Summer Sessions.

FIRST YEAR

English	No. Course	Hours 1st Term	Hours 2d Term
English	1	4	4
Advanced Algebra	2	5	0
Solid Geometry	1	0	3
Trigonometry	3	0	3
Chemistry	1	0	6
Engineering Principles	S2	1	0
Forge Shop	S4	0	1
Foundry	S3	2	0
Electives in Arts and Sciences		5	0

SECOND YEAR

Course	No. Course	Hours 1st Term	Hours 2d Term
Analytical Geometry and Calculus.....	6	6	6
Chemistry	6	5	0
Physics	3	0	6
Drawing	D1, 2	3	3
Elective in Arts and Sciences.		3	2

THIRD YEAR

Course	No. Course	Hours 1st Term	Hours 2d Term
Mechanics of Engineering	M5, 6	5	5
Physics Recitations	8, 9	2	2
Physics Laboratory	14	2	2
Kinematics	D6	0	2
Drawing	D5, 7	3	3
Materials	X6	2	0
Pattern Making	S7	0	3
Elective in Arts.		3	0

FOURTH YEAR AND FIFTH YEAR

The fourth year and the fifth year are identical with the third year and the fourth year of the curriculum of four years.

4. The Curriculum of Five Years in Subjects Related to Mining Engineering

This curriculum leads to the degree of Mechanical Engineer, and it is possible for those pursuing it not only to complete the subjects listed in the curriculum of four years in subjects related to Mining Engineering but also to take substantially all of the additional subjects given in the curriculum of four years in Mechanical Engineering.

The Degrees of A.B. and M.E.

In accordance with the rules of the College of Arts and Sciences, qualified seniors in that college may take their senior year in Sibley College, receiving the degree of A.B. at the end of the year. If by their privileges of election of subjects in the College of Arts and Sciences, these seniors have during their first three years completed the required freshman subjects in engineering, they may thus, by the end of their fourth year of residence, complete the engineering subjects required in the sophomore year. The fifth year and the sixth year of residence, with registration in Sibley College, will then be the junior year and the senior year respectively of the curriculum of four years in Sibley College.

SCHOLARSHIPS AND PRIZES

The Sibley Prize in Mechanic Arts, the Frank William Padgham Scholarship and the Wurts Loan Fund, are awarded only to students in Sibley College; the Fuertes Memorial Prizes in Public Speaking are awarded only to students in the two colleges of engineering and in the College of Architecture. For these and for the prizes and scholarships that are open to all students of the University, see page 163.

COURSES OF INSTRUCTION

About three hours in shops, laboratories, computation work, or drawing count as one credit hour in the schedule.

DEPARTMENT OF MACHINE DESIGN AND CONSTRUCTION

Machine Construction

- S. 2. **Engineering Principles.** Either term, credit one hour. Professor SMITH.
 S. 3. **Foundry Work.** Either term, credit two hours. Messrs. VANDERHOEF and ———.
 S. 4. **Forge Work.** Either term, credit one hour. Messrs. HEAD and BROOKS.
 S. 7. **Pattern Making.** Either term, credit three hours. Prerequisite S. 3. Messrs. HOOPER, BUSH, and ALLEN.
 S. 10. **Machine Work.** Throughout the year, credit two hours a term. Prerequisite S. 3, 4, and 7. Assistant Professor WELLS, and Messrs. HOWE, BUCK, and McLAUGHLIN.

Machine Design

- D. 1. **Drawing.** First term, credit three hours. Assistant Professor HAM and Messrs. ASHWORTH, EATON, MILLS, VAN DER DOES DE BYE, and WATERS.
 D. 2. **Descriptive Geometry.** Second term, credit three hours. Lectures and drawing periods. Assistant Professor HAM and Messrs. ASHWORTH, EATON, MILLS, VAN DER DOES DE BYE, and WATERS.
 D. 3. **Drawing.** For candidates for the degree of Bachelor of Chemistry in the College of Arts and Sciences. First term, credit three hours. Assistant Professor HAM and Messrs. MILLS and WATERS.
 D. 5. **Machine Drawing.** First term, credit three hours. Prerequisite courses D. 1 and D. 2. Assistant Professor HAYES and Messrs. BRADFORD, HUSSEY, GARNER, and BENNETT.
 D. 6. **Kinematics.** Second term, credit two hours. Prerequisite courses D. 1 and D. 2, and must be taken with course D. 7. Recitations. Assistant Professor HAYES, and Messrs. BRADFORD, HUSSEY, GARNER, and BENNETT.
 D. 7. **Kinematic Drawing.** Second term, credit three hours. Prerequisite courses D. 1 and D. 2, and must be taken with course D. 6. Assistant Professor HAYES, and Messrs. BRADFORD, HUSSEY, GARNER, and BENNETT.
 D. 10. **Drawing and Design.** Throughout the year, credit two hours each term. Prerequisite courses D. 5, D. 6, D. 7, M. 5 and M. 6, and must be taken with course D. 16. Professor KIMBALL, Assistant Professor ALBERT, and Messrs. BRADFORD, CORWIN, GRAHAM, and ROGERS.
 D. 16. **Machine Design.** Throughout the year, credit three hours a term. One lecture and two recitations a week. Prerequisite courses D. 6, D. 7, M. 5 and M. 6, and must be taken with D. 10. Professor KIMBALL, Assistant Professor ALBERT, and Messrs. BRADFORD, CORWIN, GRAHAM and ROGERS.
 D. 22. **General Engineering Design.** Throughout the year, credit three hours a term. Lectures. Prerequisites D. 10, D. 16, and P. 10, and must be taken with D. 23. Professor HESS, and Messrs. LEE and TOWNSEND.
 D. 23. **Drawing and Design.** Throughout the year, credit three hours a term. Prerequisite courses D. 10 and D. 16 and P. 10, and may be taken only in connection with D. 22. Professor HESS and Messrs. LEE and TOWNSEND.
 D. 24. **Engineering Notes.** Second term, credit two hours. Prerequisites D. 10 and D. 16. Professor McDERMOTT.
 D. 25. **Ship Design.** Throughout the year, credit three hours. Prerequisite courses D. 10 and D. 16. Lectures and problems. Professor McDERMOTT.
 D. 26. **Speed and Power Ships.** Second term, credit two hours. Prerequisites D. 10 and D. 16. Professor McDERMOTT.
 D. 27. **Design and Drawing.** Throughout the year, credit three hours a term. Must be accompanied by D. 25. Professor McDERMOTT.
 D. 28. **Specifications, Contracts, Etc.** First term, credit two hours. Prerequisite courses D. 10 and D. 16. Professor McDERMOTT.
 D. 39. **Mining Methods and Design.** Throughout the year, credit two hours a term. Professor KIMBALL.
 D. 40. **Advanced Designing.** For graduates who have had the equivalent of D. 22 and D. 23 or of D. 25, D. 26, and D. 27. Professors KIMBALL, McDERMOTT, and HESS.

DEPARTMENT OF MECHANICS OF ENGINEERING

- M. 5 and M. 6. **Mechanics of Engineering.** M. 5 in first term, M. 6 in second term. Credit five hours a term. Prerequisite Mathematics 6. Professor WOOD, Assistant Professors GARRETT and DAUGHERTY, and Messrs. CORNELL, FRANCIS, DAY, and PARMLEY.
 M. 12. **Hydraulics.** Second term, credit two hours. Prerequisite M. 5 and M. 6. Assistant Professor DAUGHERTY and Mr. FRANCIS.
 M. 21. **Hydraulic Turbines.** First term, credit two hours. Prerequisite M. 12. One lecture and one recitation a week. Assistant Professor DAUGHERTY.

DEPARTMENT OF HEAT-POWER ENGINEERING

P. 10. Elementary Heat-Power Engineering. Throughout the year, credit three hours a term. Prerequisite Physics 8, 9, and 14, Chemistry 6, M. 5 and M. 6, and D. 5, D. 6, and D. 7. Two recitations and one lecture a week. Assistant Professor ELLENWOOD, and Messrs. JONES and CLARK.

P. 11. Heat Engines and Auxiliaries. (For Civil Engineers.) Second term only, credit three hours. Prerequisites Phys. 2 and 7, Chem. 1; C.E. 20. One lecture and two recitations a week. Assistant Professor ELLENWOOD, and Messrs. JONES and CLARK.

P. 20. Power Plant Design. Throughout the year, credit three hours. Prerequisite course P. 10. One lecture and two recitations a week. A continuation of course P. 10. Professor SMITH, Assistant Professor MATTHEWS, and Mr. BERRY.

P. 23. Heat-Power Machinery Design. Throughout the year, credit three hours a term. Prerequisite courses D. 10 and D. 16, and P. 10, and must be accompanied by course P. 24. Professors BARNARD and HIRSHFELD and Mr. PEIRCE.

P. 24. Designing and Drawing. Throughout the year, credit two hours a term. Prerequisite courses D. 10 and D. 16, and P. 10 and must be accompanied by P. 23. Professors BARNARD and HIRSHFELD and Mr. PEIRCE.

P. 25. Steam Turbines. Second term, credit two hours. Prerequisite course P. 10. Lectures. Professor BARNARD.

P. 28. Gas Manufacture and Distribution (General). First term, credit two hours. Prerequisite courses D. 10, D. 16, and P. 10. Lectures. Professor HIRSHFELD and Mr. PEIRCE.

P. 29. Gas Power Machinery (General). Second term, credit two hours. Not open to students taking Group B. Prerequisite courses D. 10, D. 16, and P. 10. Professor HIRSHFELD and Mr. PEIRCE.

P. 30. Steam Boiler Design. First term, credit two hours. Prerequisite courses D. 10 and D. 16, and P. 10. Professor BARNARD.

P. 40. Advanced Heat-Power Engineering. Prerequisites are the design subjects in senior Group B. Professors SMITH, BARNARD, and HIRSHFELD.

DEPARTMENT OF EXPERIMENTAL ENGINEERING

X. 6. Manufacture of Engineering Materials. First term, credit two hours. Prerequisite Chemistry 1. Lectures. Professor DIEDERICHS.

X. 10. Mechanical Laboratory—Properties of Engineering Materials. First term, credit three hours. Prerequisites X. 6, M. 5 and M. 6. Professor DIEDERICHS, Assistant Professor UPTON, and Messrs. DIEDERICHS, DIX, GIBSON, KLINK, and THATCHER.

X. 11. Mechanical Laboratory—Introductory Experimental Engineering. Second term, credit three hours. Prerequisites M. 5 and M. 6, Chem. 6, Phys. 3. One laboratory and one written report a week. Professor DIEDERICHS, Assistant Professor UPTON, and Messrs. DIEDERICHS, DIX, GIBSON, KLINK, and THATCHER.

X. 12. Mechanical Laboratory. Second term only, credit four hours. Prerequisite courses M. 5, and Physics 10 and 14. One laboratory and one report each week. Professor DIEDERICHS, Assistant Professor GAGE, and Messrs. DAVIS, HOOK, LANDT, and THOMAS.

X. 20. Mechanical Laboratory—Experimental Engineering. First term, credit three hours. Prerequisites X. 10, X. 11, P. 10. Professor DIEDERICHS, Assistant Professor GAGE, and Messrs. DAVIS, HOOK, LANDT, and THOMAS.

X. 21. Mechanical Laboratory—General Experimental Engineering. Second term, credit three hours. One laboratory period a week alternating with one computing period. Professor DIEDERICHS, Assistant Professor GAGE, and Messrs. DAVIS, HOOK, LANDT, and THOMAS.

DEPARTMENT OF ELECTRICAL ENGINEERING

E. 12. Essentials of Electrical Engineering. First term only, credit four hours. Two recitations and one laboratory experiment with report each week. Messrs. H. W. BROWN, and PAGE.

E. 14. Elementary Electrical Engineering. Throughout the year, credit two hours a term. Prerequisite Physics 8, 9, and 14, and M. 5 and M. 6. Must be accompanied by E. 15. Lectures, recitations, and computing periods. Professor KARAPETOFF and Messrs. BIERMA, C. G. BROWN, DEANS, and STEVENS.

E. 15. Elementary Electrical Engineering. Throughout the year, credit two hours a term. Prerequisites as in E. 14, by which it must be accompanied. Recitations, laboratory, and reports. Professor KARAPETOFF, Assistant Professor FORD, and Messrs. BIERMA, C. G. BROWN, DEANS, PAGE, and STEVENS.

E. 20. Theory of Electrical Machinery. Throughout the year, credit two hours a term. Prerequisite courses E. 14 and E. 15. Lectures. Professor KARAPETOFF.

E. 21. Characteristics of Electrical Machinery. Throughout the year, credit four hours a term. Prerequisite courses E. 14 and E. 15. Two recitations and two computing periods a week. Professor KARAPETOFF and Messrs. PERTSCH and TAPPAN.

E. 22. Design of Electrical Machinery. Second term only, credit two hours. Prerequisite first term of E. 20 and E. 21. One recitation and one computation period a week. Professor KARAPETOFF.

E. 23a. Generation of Electrical Energy. First term only, credit two hours. Prerequisites E. 14 and E. 15 and X. 11. One recitation and one computing period a week. Assistant Professor FORD.

E. 23b. **Transmission of Electrical Energy.** Second term only, credit two hours. Prerequisite first term of E. 20 and E. 21. One recitation and one computing period a week. Assistant Professor FORD.

E. 25. **Elements of Electric Railway Practice.** Second term only, credit two hours. Prerequisite E. 14 and E. 15. Recitations and computing periods. Mr. CHAMBERLAIN.

E. 27. **Wireless Telegraphy and Telephony.** Second term only, credit two hours. Prerequisite courses first term of E. 20 and E. 21, and E. 28. Mr. BALLARD.

E. 28. **Senior Electrical Laboratory.** Throughout the year, credit four hours a term. Prerequisites X. 11, E. 14 and E. 15. Two laboratory periods, one recitation, and one report a week. Assistant Professor FORD, and Messrs. CHAMBERLAIN, CATLIN, and BALLARD.

E. 30. **Engineering Mathematics.** Throughout the year, credit two hours a term.

E. 33. **Special Electrical Engineering Problems.** First or second term or both. One to three hours. Professors KARAPETOFF, Assistant Professor FORD, and Mr. PERTSCH.

E. 34. **Current Topics in Electrical Engineering.** Second term only, two hours credit. Mr. CATLIN.

E. 35. **Electrical Engineering for M. E. Seniors.** Throughout the year, credit two hours a term. Prerequisite courses X. 11, E. 14 and E. 15. Assistant Professor FORD, Messrs. BALLARD, CATLIN, CHAMBERLAIN, HUBBARD, and STEVENSON.

DEPARTMENT OF INDUSTRIAL ENGINEERING

I. 11. **Industrial Organization.** Open to juniors and seniors of other colleges. First term, credit two hours. Professor KIMBALL.

I. 20. **Industrial Administration.** Two lectures per week throughout the year, credit two hours per term. Prerequisite course I. 11. Professor KIMBALL and Assistant Professor WELLS.

I. 22. **Drawing and Design.** One recitation and six hours in the drawing room per week, throughout the year, credit three hours per term. Prerequisite courses D. 10 and D. 16, and must be accompanied by I. 20. Professors KIMBALL and Mr. ———.

I. 23. **Safety Engineering and Fire Protection.** Two lectures per week during the second term, two hours credit. Prerequisite course I. 11. Assistant Professor WELLS.

I. 40. **Advanced Industrial Engineering.** Open to graduates and seniors who have completed the equivalent of I. 20 and I. 22. Professor KIMBALL and Assistant Professor WELLS.

DEPARTMENT OF ENGINEERING RESEARCH

R. 22. **Engineering Research.** Either term, credit one hour for forty hours of actual work. Open to a limited number of seniors and graduates who have shown proficiency in engineering research. Professor CARPENTER, Assistant Professor SAWDON, and Mr. McVETTY.

R. 23. **Power Plant Testing.** Either term, credit one hour for forty hours of actual work. Open to a limited number of seniors who have shown proficiency in engineering research. Professor CARPENTER, Assistant Professor SAWDON, and Mr. McVETTY.

R. 24. **Motor Car Construction.** Second term, credit one hour. Two lectures a week. Professor CARPENTER.

R. 25. **Heating and Ventilating.** Second term, credit two hours. Lectures and recitations. Professor CARPENTER.

R. 27. **Thesis.** Either or both terms, maximum total credit eight hours. All theses are under the general supervision of the Department of Engineering Research. Professor CARPENTER, Assistant Professor SAWDON, and Mr. McVETTY.

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The University Libraries comprise the General Library of the University, the Law Library, the Architectural Library, the Chemical Library, Sibley College Library, Civil Engineering Library, the Flower Veterinary Library, the Barnes Reference Library, the Goldwin Smith Hall Library, the Stimson Hall Medical Library, and the Library of the New York State College of Agriculture.

The total number of bound volumes in the University Library is now over four hundred and sixty thousand and the annual additions number about fifteen thousand volumes.

The Library Building, the gift of the late Hon. Henry W. Sage, has an estimated capacity of four hundred and seventy-five thousand octavo volumes. The reading room contains accommodations for two hundred and twenty readers, and the open book cases around its walls provide shelf-room for a reference library of eight thousand volumes. In the tower are the great bell of the University, the gift of Mrs. Mary White, and the chime of bells, the gift of Mrs. Jennie McGraw Fiske.

The income of an endowment fund of three hundred thousand dollars, given by the late Henry W. Sage in 1891, is devoted to the purchase of books and periodicals. The income of an endowment fund of five hundred and three thousand dollars, received in 1906 by the bequest of the late Willard Fiske, is to be expended for the uses and purposes of the Library, with specific provision for the maintenance and increase of the Icelandic and the Italian collections; at present one-third of the free income from this fund is used for the purchase of books and periodicals and for binding.

Among the more important special collections in the General Library are: the ANTHON LIBRARY, of nearly seven thousand volumes, the collection made by the late Professor Charles Anthon, of Columbia College, in the ancient classical languages and literatures, besides works in history and general literature; the BOPP LIBRARY, of about twenty-five hundred volumes, relating to the oriental languages and literatures, and comparative philology, being the collection of the late Professor Franz Bopp of the University of Berlin; the GOLDWIN SMITH LIBRARY, of thirty-five hundred volumes, comprising chiefly historical works and editions of the English and ancient classics, presented to the University in

1869 by the late Professor Goldwin Smith, and increased during later years by the continued liberality of the donor; the publications of the Patent Office of Great Britain, about three thousand volumes; the WHITE ARCHITECTURAL LIBRARY, a collection of over twelve hundred volumes relating to architecture and kindred branches of science, given by ex-President White; the KELLY MATHEMATICAL LIBRARY, comprising eighteen hundred volumes and seven hundred tracts, presented by the late Hon. William Kelly, of Rhinebeck; the SPARKS LIBRARY, being the library of Jared Sparks, sometime President of Harvard University, consisting of upward of five thousand volumes and four thousand pamphlets, relating chiefly to the history of America; the MAY COLLECTION, relating to the history of slavery and anti-slavery, the nucleus of which was formed by the gift of the library of the late Rev. Samuel J. May, of Syracuse; the SCHUYLER COLLECTION of folk-lore, Russian history and literature, presented by the late Hon. Eugene Schuyler in 1884; the PRESIDENT WHITE HISTORICAL LIBRARY, of about twenty thousand volumes (including bound collections of pamphlets) and some three thousand unbound pamphlets, the gift of ex-President White, received in 1891, especially rich in the primary sources of history, and containing notable collections on the period of the Reformation, on the English and French Revolutions, on the American Civil War, and on the history of superstition; the SPINOZA COLLECTION, numbering four hundred and fifty volumes, presented in 1894, by ex-President White; the four remarkably rich collections given by the late Willard Fiske, comprising the DANTE COLLECTION, containing seven thousand five hundred volumes, the PETRARCH COLLECTION, containing about four thousand volumes, the RHAETO-ROMANIC COLLECTION, containing about thirteen hundred volumes, and the ICELANDIC COLLECTION containing over ten thousand volumes; the ZARNCKE LIBRARY, containing about thirteen thousand volumes and pamphlets, especially rich in Germanic philology and literature, purchased and presented in 1893 by William H. Sage; the HERBERT H. SMITH COLLECTION of books relating to South America, purchased in 1896; a valuable collection of books on French and Italian society in the 16th and 17th centuries, presented by Professor T. F. Crane in 1896; the EISENLOHR LIBRARY, containing about one thousand volumes on Egyptology and Assyriology purchased and presented in 1902 by A. Abraham; BAYARD TAYLOR'S correspondence and journals and his collection of Goethe literature, presented to the Library in 1905 by Mrs. Marie Taylor; the valuable ANGLO-SAXON COLLECTION and the COWPER COLLECTION formed by the late Professor Hiram Corson, bequeathed to the Library, and received in 1911; GOLDWIN SMITH'S correspondence and literary manuscripts presented in 1911 by Arnold Haultain; a large and valuable collection of works in the fields of English and Celtic philology presented by Professor J. M. Hart in 1914.

Supplementing the general card catalogue of the library, there have been issued printed catalogues of the President White collections on the Protestant Reformation (1889) and the French Revolution (1894), and of the Rhaeto-roman collection (1894), the Dante collection (1900), and the Icelandic collection (1914). A catalogue of the Petrarch collection is in the press.

The library is primarily for the use of University officers and students. Books not held in reserve for special reasons are allowed to go out for home use to all registered borrowers. Cards of admission to the shelves in the stack-rooms, and to the White Historical Library, will be issued for a limited time to students for the purposes of consultation, and research, when their work is of such a nature as to require access to the book shelves. The library is open on week days, during term time, from 8 A. M. till 10:45 P. M., except on Saturdays, when it is closed at 5 P. M. In vacation it is open on week days from 9 A. M. till 5 P. M.

The Goldwin Smith Hall Library, in Goldwin Smith Hall, is distinctly a reference collection, numbering now over two thousand volumes. It consists chiefly of books used in connection with the undergraduate work in humanities, providing in certain cases many copies of the books most in demand in the larger classes.

The Law Library occupies the third floor of Boardman Hall. It now contains over forty-seven thousand volumes, and includes the library of the late Nathaniel

C. Moak, presented in 1893 by Mrs. A. M. Boardman and Mrs. Ellen D. Williams, as a memorial to Judge Douglas Boardman, the first Dean of the College of Law. In reports to the Federal Courts, reports of the several American state jurisdictions, and in English, Scotch, Irish, and Canadian reports, the law library is practically complete to date. The library also possesses complete sets of all the leading law periodicals in English.

The Barnes Reference Library for Biblical Study was presented to the University by the late Alfred C. Barnes for the use of the Cornell University Christian Association, and occupies a room in Barnes Hall. The collection now numbers 2061 volumes, all fully catalogued as part of the University Library. After the death of the donor his children gave to the University, for the maintenance and increase of the collection, an endowment of five thousand dollars.

The Flower Veterinary Library, now numbering about four thousand five hundred volumes, owes its formation to the late Roswell P. Flower who gave, in 1897, five thousand dollars to Cornell University to establish a veterinary library, for the use of the State Veterinary College. In 1901, Mrs. Flower gave to the University ten thousand dollars for an endowment fund, the annual income of which is to be used for this library.

The Stimson Hall Medical Library was established in 1903 by gifts and by class memorial subscriptions. It now contains over thirteen hundred volumes.

The Medical College in New York City has its own library containing about seven thousand bound volumes and a large number of reprints and monographs, including the Birch-Hirschfeld bound collection. The library receives about one hundred current periodicals which include nearly all the more important German, French, English and Italian journals in the field of medical science.

The Agricultural College Library consists of some eight thousand volumes supplementing the agricultural collections in the General Library. The Craig Horticultural Library has, through the generosity of the late Mrs. John Craig, been recently added to the collection.

SCHOLARSHIPS AND PRIZES

STATE TUITION SCHOLARSHIPS

(Awarded by New York State)

Under the law of the State of New York the Commissioner of Education is empowered to award annually a number of free scholarships in Cornell University equal to the number of Assembly districts in the State of New York. Each scholarship entitles the holder to free tuition for four years beginning in the September immediately following the award of the scholarship.

All scholarship holders must satisfy the regular requirements for admission to one of the colleges of the University.

Holders of State Scholarships are notified that failure to register before the close of the last registration day for each term involves the severance of their connection with the University and consequently the forfeiture of their scholarships. The Commissioner of Education fills all vacancies in scholarships.

A State Scholarship holder after regular registration at the University, may receive a leave of absence for the purpose of earning necessary funds to defray his living expenses at the University. The total period of such leave of absence without forfeiture of the scholarship is two years.

For particulars concerning the award of State Scholarships, application should be made to the Commissioner of Education, Albany, N. Y.

STATE CASH SCHOLARSHIPS

(Awarded by New York State)

Under the law of the State of New York (Chapter 292, Laws of 1913), State Scholarships have been established in the several counties of the State, to be maintained by the State as provided by law. Five such scholarships are to be awarded each county annually for each assembly district therein. Each such scholarship will entitle the holder thereof to the sum of one hundred dollars for each year of his attendance upon an approved college in this State during a period of four years. A person who receives such scholarship is not restricted in his choice of the college which he desires to attend, or as to the course of study which he proposes to pursue; provided that no such scholarship shall include professional instruction in law, medicine, dentistry, veterinary medicine, or theology, except so far as such instruction is within a regularly prescribed course of study leading to a degree other than in one of the above named professions; and provided further, that the college selected by the person entitled to such scholarship is situated within the State of New York, and is incorporated as a college and authorized under the laws of this State and the rules of the Regents of the University to confer degrees.

For particulars in regard to the awarding of State Scholarships, application should be made to the Commissioner of Education, Albany, New York.

UNIVERSITY UNDERGRADUATE SCHOLARSHIPS

(Awarded by the University)

Eighteen University Undergraduate Scholarships, each continuing for two years and of an annual value of \$200, are offered each year to members of the incoming freshman class. The award is made on the basis of a special competitive examination held in Ithaca in September between the period of the entrance examinations and the opening of the University.

Every candidate for such a scholarship must have satisfied the entrance requirements for one of the colleges of the University.

The University Undergraduate Scholarships will be awarded on the basis of examinations in three of the seven following subjects:

(a). English. Entrance requirement. (b). Greek. Greek grammar and composition; translation at sight of simple prose. (c). Latin. Latin grammar and

Cæsar; composition and Cicero; Virgil. (d). French. Third year French. (e). German. Third year German. (f). Elementary mathematics. Elementary algebra; intermediate algebra; plane geometry. (g). Advanced mathematics. Solid geometry; advanced algebra; and plane trigonometry.

In choosing three of these seven subjects, every candidate must take English and at least one of the other four languages; and any candidate who does not select either Latin or Greek must take advanced mathematics.

No scholarship will be awarded to any candidate who is reported markedly deficient in any subject in which he is examined, and the right is reserved to fill fewer than eighteen scholarships in the absence of a sufficient number of duly qualified candidates.

Before the scholarships are awarded, every candidate must indicate the college and, if several curricula with diverse entrance requirements are offered in that college, the curriculum in which he intends to register. In order to hold a scholarship, if it be awarded to him, he must register in that college or curriculum; and he will forfeit his right to the scholarship, if he transfers to any other college or curriculum, unless, at the time when he was admitted to the University, he had satisfied, as shown by the records of the University, all the entrance requirements for the college or the curriculum to which he transfers.

All persons shall be debarred from the competition for these scholarships who have participated in any previous competition for the same, or have been previously registered in this University (including the Summer Session) or in any other university or college.

The moneys due on these scholarships are paid at the office of the Treasurer of the University in two equal payments, on the 20th of February and the 25th of June, but no scholarship holder is entitled to receive his semi-annual payment until the Scholarship Committee has examined and approved the holder's record for the preceding term, and until the chairman of the Scholarship Committee has certified that the record of the holder is satisfactory.

SPECIAL UNDERGRADUATE SCHOLARSHIPS

The Frank William Padgham Scholarship. This scholarship, founded in 1892 by Amos Padgham of Syracuse, New York, in memory of his son, Frank William Padgham, a graduate of Sibley College of the class of 1888, entitles the holder to free tuition and fees in the regular curriculum in Sibley College of Mechanical Engineering. It cannot be held in connection with a New York State Scholarship. The Frank William Padgham Scholarship will be awarded to the candidate who has had his preparatory education wholly or in part in the public schools of Syracuse, New York, and who, having been admitted to the regular curriculum in Sibley College, shall pass the best examination in a competitive examination on the following studies selected from those that may be offered for admission to Sibley College: 1. solid geometry; advanced algebra; plane trigonometry; 2. third year German; 3. third year French; 4. English. Of these subjects the candidate must take three including mathematics. The examination for the Padgham Scholarship is held at the same time as the University Undergraduate Scholarship examinations.

State Grange Scholarships in Agriculture. At its annual meeting in February, 1914, the New York State Grange adopted a resolution whereby \$600 is to be given to members of the Order in the form of twelve scholarships in the Winter Courses in Agriculture in Cornell University. The scholarships are each of the value of \$50, to be awarded to men or women who attain the highest standing in competitive examinations. The candidate should apply to the Master of Pomona Grange in his home county, or to the Deputy in counties which have no Pomona Grange.

Boardman Senior Law Scholarship. A Senior Law Scholarship of the value of one hundred dollars, the gift of Judge Douglass Boardman, the first dean of the College, is awarded annually in June to the junior who has, in the judgment of the Faculty, done the best and most satisfactory work in law subjects to the end of his junior year. It is available during the senior year and is payable in the same

way as are other University undergraduate scholarships. This scholarship may be forfeited in case the Faculty is convinced that the holder has not maintained a high standard of work, or has been guilty of any conduct unbecoming the holder of such a scholarship.

Fraser Scholarships. Two scholarships of the value of \$100 and \$50, respectively, the gift of an alumnus of the College of Law, in memory of Alexander Hugh Ross Fraser, late librarian of the College, are awarded annually about the beginning of the college year to seniors whose law study has been done entirely in Cornell University. They are awarded to students who have most fully evidenced high qualities of mind and character by superior achievement in scholarship and by those attributes of manliness which earn the commendation of teachers and fellow students. The award is made upon recommendation of the senior class by vote from a list of members submitted by the Faculty as eligible by reason of superior scholarship. The holder of the Boardman Scholarship is not eligible.

The Roberts Scholarship Fund, a gift of the late Dr. Charles H. Roberts, of Oakes, Ulster County, New York, provides five annual scholarships. As expressed by the founder, the purpose of these scholarships is to furnish financial assistance to students in the College of Agriculture who are of good moral character, who show native ability, tact, and application, and who are in need of such assistance. Preference is given to students who come from rural districts. The award is made after the close of the first term of each year. The value of each scholarship is \$240.

The Buffalo Alumni Association Scholarship of the annual value of \$200, for students who are residents of Erie or Niagara County, New York. Cornell University is not responsible for the awarding of this scholarship.

For Scholarships and Fellowships in the Graduate School, see page 49.

PRIZES

For information concerning the award of the following prizes, the pamphlet on Prize Competitions should be consulted.

The Woodford Prize, founded by the Hon. Stewart Lyndon Woodford, is of the value of one hundred dollars and will be given annually for the best English oration, both matter and manner of delivery being taken into account. The prize is in the form of a gold medal, but the winner may, if he chooses, receive instead one hundred dollars in money. Graduate students may not compete for this prize.

The '86 Memorial Prize, the income of a sum of money left as a memorial by the class of 1886, and amounting to eighty-six dollars annually, is an undergraduate prize in declamation to be awarded at a public contest held in May of each year.

The '94 Memorial Prize, the income of a fund established by the class of 1894 and amounting to about ninety-four dollars annually, is an undergraduate prize in debate to be awarded at a public contest held in January of each year.

The Barnes Shakespeare Prize. The Shakespeare Prize, founded in 1887 by Mrs. Alfred Smith Barnes, of Brooklyn, consists of about fifty dollars, the annual income from her gift of one thousand dollars. This prize is open only to undergraduate students.

The Guilford Essay Prize, founded in 1902 by the late James B. Guilford to promote "a high standard of excellence in English prose composition," consists of about one hundred and fifty dollars, the annual income from his bequest of three thousand dollars. This prize is open only to undergraduate students.

The J. G. White Prizes in Spanish. Through the generosity of Mr. James Gilbert White (Ph.D., Cornell, '85), three prizes, each of the value of one hundred dollars, are offered annually to English speaking students for proficiency in Spanish and to Spanish speaking students for proficiency in English. These prizes are open only to undergraduate students.

The Corson French Prize, founded in 1902 by Professor Hiram Corson in memory of his wife, Caroline Rollin Corson, consists of a gold medal of the value of fifty dollars to be awarded annually for the best essay on a subject in either French philology or literature. If the winner so desires, he may receive the value of the prize in money. Competition for this prize is open to all students.

The Corson Browning Prize, founded in 1902 by Professor Hiram Corson, consists of a gold medal of the value of fifty dollars, to be awarded annually for the best competitive essay on Robert Browning. If the winner so desires, he may receive the value of the prize in money. Competition for this prize is open to juniors, to seniors, and to graduate students.

The Luana L. Messenger Memorial Prize, the annual income of a fund of five thousand dollars, founded by Mr. Hiram J. Messenger, will be awarded in accordance with the terms of the gift, to that student of the University who submits the essay "giving evidence of the best research and most fruitful thought in the field of human progress or the evolution of civilization during some period in human history or during human history as a whole."

The Sherman-Bennett Prize was founded by Philo Sherman-Bennett of New Haven, who, by provision of his will, bequeathed to William J. Bryan, of Lincoln, Nebraska, a fund to found prizes in twenty-five colleges or universities to be selected by him. The prize consists of the income of four hundred dollars, and is awarded "for the best essay discussing the principles of free government." Competition is open to all students of the University.

The Frances Sampson Fine Arts Prize. This prize, founded in 1909 by Professor Martin Sampson in memory of his wife Frances Van Rensselaer Sampson, is awarded "to that student in the University who shows the most intelligent appreciation of the graphic and plastic arts and architecture." The prize is not given for practical proficiency in painting, drawing, or designing, but for natural or acquired ability to appreciate artistic beauty. The prize, of about thirty dollars to be expended in books or reproductions, is awarded sometime in April under regulations administered by the Professor of Esthetics.

The J. T. Morrison Prize, founded by J. T. Morrison, of Ithaca, and consisting of a gold medal of the value of one hundred dollars or of one hundred dollars in cash at the option of the successful competitor, will be given annually for the best original poem, or poems, matter and manner of delivery being taken into account. This prize is not open to graduate students.

The Horace K. White Prizes, established by Horace K. White, of Syracuse, are awarded annually to the most meritorious students in the graduating class of the New York State Veterinary College, as follows: to the first in merit, fifteen dollars; to the second in merit, ten dollars.

Sibley Prizes in Mechanic Arts. Under the gift of the Hon. Hiram Sibley, made in 1884, the sum of one hundred dollars will be awarded annually to those students in Sibley College who shall, in the opinion of the Faculty of that institution show the greatest merit in Sibley College work.

The Fuertes Medals, two gold medals established by Professor E. A. Fuertes, each of the value of one-half the amount of the income provided by the endowment fund, will be awarded under the following conditions.

One of these medals will be awarded annually to the student in the College of Civil Engineering who shall be found, at the time of graduation, to have maintained the highest scholarship in the courses of his college, provided he has been in attendance in the University for at least two years; and the other medal will be awarded annually to a graduate of the College of Civil Engineering for a meritorious paper tending to advance the scientific or practical interests of the profession of civil engineer.

The Clifton Beckwith Brown Memorial Medal was established by John Harkness Brown in memory of his brother Clifton Beckwith Brown, killed on the field of battle at San Juan Hill. A silver replica is awarded to the senior in the College of Architecture attaining the highest standing in design during his senior year, and a bronze replica to the senior taking second place. These medals, however, are not awarded solely for order of merit; the award is not made unless the standard reached in design is considerably higher than that required for graduation.

The Charles Goodwin Sands Memorial Medal, founded by the family of Charles Goodwin Sands of the class of '90, is awarded for designs of exceptional merit presented in the regular competitions in the College of Architecture. The medal drawings are ranked as first and second medal drawings, according to merit. The author of a first medal drawing will receive a silver replica and the author of a second medal drawing a bronze replica of the medal. The award is for merit alone and while the medal is occasionally won by undergraduates, the standard is such that the honor of winning the first medal usually falls to graduate students.

The Eastman Prize for Public Speaking. With the object of developing qualities of personal leadership in rural affairs, A. R. Eastman of Waterville, New York, has established in the College of Agriculture, an annual prize of one hundred dollars for public speaking on country life subjects. Competition is open to any regular or special student in the College of Agriculture.

The Robert T. Morris Prize in Nut Culture. This prize is offered by Dr. Robert T. Morris of New York City, a former Trustee of Cornell University and donor of the Morris collection of nuts in the Department of Horticulture. The

prize consists of twenty-five dollars and is awarded annually to the student in the course in nut culture who displays the greatest ability in propagating nut trees.

The John Metcalfe Polk Prizes. In memory of John Metcalfe Polk, an instructor in the Medical College, who graduated from the Medical Department of Cornell University on June 7, 1889, and died on March 29, 1904, three prizes aggregating five hundred dollars will be presented at each commencement to members of the graduating class who have completed the full course of study in Cornell University Medical College. These prizes will be awarded as follows: to the student having the highest standing, three hundred dollars; to the student having the second highest standing, one hundred and twenty-five dollars; to the student having the third highest standing, seventy-five dollars.

The Dana Prizes. Two prizes, one of fifty dollars and another of twenty-five dollars, are offered by Professor Charles Loomis Dana to the two students of the graduating class of the Medical College, to be designated by him, who make the best report of neurological cases seen during the course, provided that the reports submitted possess sufficient merit to warrant the award.

The Hollingsworth Honorarium for Research. An honorarium of fifty dollars for advanced work or research in pathology and bacteriology, established by Dr. W. G. Hollingsworth of Utica, is awarded to a senior in the Veterinary College on his general standing in the work of the first two years and his proficiency in the first courses in pathology and bacteriology.

The Whiting Prizes. Two prizes, the first of fifty dollars, the second of twenty-five dollars, are offered by Professor Frederick Whiting to the two students of the graduating class of the Medical College, to be designated by him, who make the best record in practical and theoretical work in otology.

The Fuertes Memorial Prizes in Public Speaking were founded by Charles H. Baker, a graduate of the College of Civil Engineering of the class of 1886. Two prizes, one of one hundred dollars and one of twenty dollars, are awarded annually to members of the junior and senior classes in the Colleges of Engineering and Architecture, for proficiency in public speaking.

The C. Lathrop Pack Prize. A gift of \$500 the interest of which is to be used by the Faculty of the Department of Forestry "in the interests of forestry."

The Jane Miller Prize of fifty dollars is awarded to the student or students having the highest standing in the subject of veterinary physiology.

The James Gordon Bennett Prize of fifty dollars is offered for work done on local and generalized anesthesia. The prize is open to seniors in the Veterinary College.

The Early English Text Society Prizes. The Early English Text Society annually donates four of its publications to be awarded as prizes to the students who pass the best examination in Early English.

The Graduate Prize in Philosophy has an annual value of about twenty-five dollars, and is open for competition to all students registered in the Graduate School. The prize will be awarded to the student who submits the best paper embodying the results of research in the field of philosophy.

The George Chapman Caldwell Prize of fifty dollars was established by Professor Frank Cary Caldwell and Mrs. Grace Caldwell Chamberlain as a memorial to their father. The prize, accompanied by a certificate, is to be awarded annually to a member of the senior class for general excellence in chemistry.

The Stewart Prize for the production of clean milk is a prize of fifty dollars donated by Mr. S. L. Stewart of Brookside Farms, Newburgh, N. Y.

The Morrison Trophy Cup Prize awarded to students in the winter courses for proficiency in debate.

FELLOWS AND GRADUATE SCHOLARS

1915-16

UNIVERSITY FELLOWS

The Cornell Fellowship:

Frederick Ebell Fiske, A.B. (Cornell) 1914 English

The McGraw Fellowship:

Carl Arthur McClain, B.S. (U. of Oregon) 1906; C.E. (same) 1912
Civil Engineering

The Sage Fellowship in Chemistry:

Ruby Rivers Murray, A.B. (Mt. Holyoke Coll.) 1912; A.M. (same) 1914
Chemistry

The Schuyler Fellowship:

Royal Norton Chapman, B.A. (Minn.) 1914; M.A. (same) 1915 Physiology

The Sibley Fellowship:

Charles Roy Reid, B.S. (U. of Oregon) 1906; E.E. (same) 1912
Mechanical Engineering

The Goldwin Smith Fellowship:

Ernest Rice Smith, A.B. (Oberlin) 1912 Geology

The President White Fellowship:

Guy Everett Grantham, A.B. (Indiana) 1909; A.M. (same) 1913 Physics

The Erastus Brooks Fellowship:

Chester Claremont Camp, B.A. (Grinnell Coll.) 1914; A.M. (Cornell) 1915
Mathematics

The Fellowship in Architecture:

Gerald Lynton Kaufman, B.Arch. (Cornell) 1915 Architecture

The Fellowship in Romance Languages:

Ray Preston Bowen, A.B. (Harvard) 1905; A.M. (Cornell) 1915
Romance Languages

The Fellowships in Agriculture:

Aaron Bodansky, B.S. (Cornell) 1915 Agriculture

Sarkis Boshnakian (Fellowship reserved from 1914-15) B.Sc. in Agr. (U. of Wisc.) 1914; M.S. in Agr. (Cornell) 1915
Agriculture

The Fellowship in Mechanical Engineering:

Richard Edmund Brown, E.E. (Lehigh) 1910 Mechanical Engineering

The President White Fellowship in History and Political Science:

Frank Hyneman Knight, Ph.B. (Milligan Coll.) 1911; B.S. (U. of Tenn.) 1913; M.A. (same) 1913

The Fellowship in American History:

Caroline May Lewis, A.B. (Cornell) 1903 History

The Plaut Fellowship in Architecture:

Raymond McCormic Kennedy, B.Arch. (Cornell) 1915 Architecture

The Fellowships in Greek and Latin:

Frank Hewitt Cowles, Ph.B. (U. of Wooster) 1907 Greek and Latin

Helen Shaurman Strong, A.B. (Vassar) 1914; A.M. (Cornell) 1915
Greek and Latin

The Susan Linn Sage Fellowship in Philosophy:

Marion Delia Crane, A.B. (Bryn Mawr) 1911; A.M. (same) 1914 Philosophy

Delton Thomas Howard, A.M. (U. of Ill.) 1912 Philosophy

The Susan Linn Sage Fellowship in Psychology:

Salem Shihadeh George, M.A. (Beirut Coll.) 1914 Psychology

The Fellowships in Political Economy:

Carl Martin Burke, A.B. (Bethany) 1912; A.M. (Kansas Univ.) 1913 Political Economy

Merlin Harold Hunter, B.A. (Muskingum) 1912; M.A. (Princeton) 1913 Political Economy

The Jacob H. Schiff Fellowship in German:

Louis Ernest Wolferz, A.B. (Columbia) 1908 German

The Edgar Meyer Memorial Fellowship in Engineering Research:

William Cook Andrae, M.E. (Cornell) 1915

UNIVERSITY GRADUATE SCHOLARS**The Susan Linn Sage Scholarships in Philosophy:**

Ellen Baxter Armstrong, A.B. (Cornell) 1915

Gertrude I. Baker, B.A. (Western Coll.) 1914

Raymond Preston Hawes, A.B. (Brown) 1912; A.M. (same) 1913

James Toros Stanley, A.B. (U. of Mich.) 1903

William Curtis Swabey, A.B. (Stanford) 1915

The Susan Linn Sage Scholarship in Psychology:

Filbert Joseph Rich, A.B. (Cornell) 1915; A.M. (same) 1915.

The Graduate Scholarship in Chemistry:

Sarah Palmer Caswell, B.A. (Wellesley) 1912.

The Graduate Scholarship in Physics:

Austin Bailey, A.B. (U. of Kans.) 1915.

The Graduate Scholarship in Civil Engineering:**The Graduate Scholarship in Latin and Greek:**

Gladys Martin, A.B. (U. of Mo.) 1911; A.M. (same) 1913.

The Scholarship in Archæology and Comparative Philology:

Dennis Martin, A.B. (U. of Mo.) 1913; A.M. (same) 1913.

The Graduate Scholarship in Embryology:

Gertrude Amelia Johnson, B.S. (Northwestern) 1911; M.S. (U. of Ill.) 1913.

The Graduate Scholarship in Botany:

Alpheus W. Blizzard, B.S. (Ohio State) 1913.

The Graduate Scholarship in English:

Christine Hammer, A.B. (Bryn Mawr) 1913.

The Graduate Scholarship in History:

William Dudley Smith, A.B. (Cornell) 1915.

The Graduate Scholarships in German:

Charlotte Helen Pekary, A.B. (Cornell) 1915.

Mary Agnes Quinby, A.B. (Bryn Mawr) 1906.

The Graduate Scholarship in Mathematics:

Anna Mayme Howe, B.A. (Wells) 1908; A.M. (Cornell) 1911.

Special Scholarships in Architecture:

Henry Stern Kirchberger, B.Arch. (Cornell) 1915

Elton Rockwell Norris, B.Arch. (Cornell) 1913.

The Graduate Scholarship in Veterinary Medicine:

Joseph Prestwick Scott D.V.M. (Ohio State) 1914.

UNIVERSITY UNDERGRADUATE SCHOLARSHIPS

CLASS OF 1918

The Cornell Scholarships:
Harold Meade Mott-Smith, jr., Arts and Sciences.
Paul Bradford, Arts and Sciences.

The President White Scholarships:
George W. M. Robertson, Arts and Sciences.
Frederick Schuyler Reese, jr., Law.

The Henry B. Lord Scholarships:
Esther Grimes, Agriculture.
Jane Janetta Moore-Smith, Arts and Sciences.

The McGraw Scholarships:
Mary Eleanor Barstow, Arts and Sciences.
Joseph Adam Becker, Mechanical Engineering.

The Sage Scholarships:
Charles Stahl, Arts and Sciences.
William Hursh Farnham, Arts and Sciences.

The Sibley Scholarships:
Melvin Abbott Conant, Arts and Sciences.
Pierre Mertz, Mechanical Engineering.

The Stewart L. Woodford Scholarships:
Malcolm Barrington Carroll, Civil Engineering.
Marguerite McKay, Arts and Sciences.

The John Stanton Gould Scholarships:
David Schultz, Arts and Sciences.
Henry Rubin, Arts and Sciences.

The Horace Greeley Scholarships:
Henry W. Greenberg, Arts and Sciences.
Leonard Bichwit, Arts and Sciences.

CLASS OF 1919

The Cornell Scholarships:
Israel Safir, Arts and Sciences.
Samuel Greenberg, Arts and Sciences.

The President White Scholarships:
Andrews Clement Wintringham, Arts and Sciences (Chemistry).
Malcolm Fuller Orton, Arts and Sciences.

The Sage Scholarships:
Jacob Wilson, Arts and Sciences.
Jeanette Heertje, Arts and Sciences.

The Sibley Scholarships:
Herbert Saphir, Arts and Sciences (Chemistry).
David Perlman, Arts and Sciences (Chemistry).

The Henry B. Lord Scholarships:
Norman Toivo Newton, Agriculture.
Charles Texford Davis, Agriculture.

The McGraw Scholarships:
Ernest Leopold Hettich, Arts and Sciences.
Jesselyn Adele Kimmel, Arts and Sciences.

The Stewart L. Woodford Scholarships:
Harold Alden Jewett, Arts and Sciences (Chemistry).
William Shack, Arts and Sciences (Chemistry).

The John Stanton Gould Scholarships:
Harry Sidney Berkoff, Arts and Sciences.
Theodore Burton Karp, Arts and Sciences.

The Horace Greeley Scholarships:
William August Papke, Arts and Sciences (Chemistry).
Julius Livant, Agriculture.

RESIDENTIAL HALLS

The University has five residential halls for men students. These are situated on the Campus and furnish accommodations for about four hundred and twenty men. The annual charges for single rooms range from \$75 to \$150. For particulars address the Treasurer of the University, Ithaca, N. Y.

The residential halls for women students are Sage College and Prudence Risley Hall. In these buildings, the total cost of board, laundry, and rent of furnished rooms, with heat and light, is three hundred and ten dollars a year. The University Adviser of Women has jurisdiction over all women students in the University and women students are not permitted to board or lodge outside of the dormitories for women, except in houses approved by the Adviser.

SAGE CHAPEL AND BARNES HALL

Religious services, provided for by the Dean Sage Preachership Endowment, are conducted in Sage Chapel throughout the academic year by clergymen selected from the various religious denominations.

The Cornell University Christian Association is a voluntary organization of students and professors formed for their own religious culture and for the promotion of Christian living in the University. The Christian Association has its home in Barnes Hall, which contains a library of biblical literature and reading and recreation rooms. Bible study courses are carried on throughout the year.

THE CORNELL INFIRMARY

The Cornell Infirmary is the former mansion of the late Henry Williams Sage, for many years chairman of the Board of Trustees of the University. At his death in 1897, his sons, Dean and William Henry Sage, endowed it and gave it to the University for a students' Infirmary as a memorial to their father. In 1912 the annex to the Infirmary was erected with a capacity of sixty-two beds.

The Infirmary is in charge of a superintendent and is open throughout the University year. For Infirmary fees see page 46.

PHYSICAL EXAMINATIONS AND MEDICAL ADVICE

Medical Advisers and Examiners: Samuel Archer Munford, M.D.; Edith Matzke, M.D.; Leon E. Deyoe, M.D.; Harold H. Fox, M.D.

A physical examination is required of all students upon entering the University. The Medical Advisers observe regular office hours at their respective offices in the gymnasium for men and Sage College.

All students are at liberty and are urged, in cases of sickness or indisposition, to consult the Medical Advisers for a diagnosis of their ailments, to the end that they may be informed whether the further attention of a physician is necessary. When students are confined to their rooms, their house stewards or landlords are urged to communicate speedily with the Medical Advisers.

No charge is made for physical examinations or medical advice.

During the year 1914-15, the total number of calls at the offices of the Medical Advisers and Examiners exceeded seventeen thousand.

MILITARY SCIENCE AND TACTICS

The Professor of Military Science and Tactics at Cornell University is a commissioned officer of the United States Army. Instruction includes practical infantry training, and the Department aims to train men so that they may become efficient company officers of infantry volunteer troops in time of war.

Military drill with membership in the corps of cadets is required of every able-bodied non-alien male student throughout the freshman and sophomore years in each of the undergraduate colleges of the University, with the exception of the students who are registered in the three year course in the College of Law. Connection with the corps of cadets may, if the student so desires, be continued through the junior and the senior years. Every cadet is required to provide himself with a uniform which consists of a service coat, cap, breeches, and shirt of

olive drab wool; leggings, black four in hand tie, web waist belt, white standing collar, white gloves and high lace tan shoes. The total cost of this equipment is \$16.50.

Any qualified member of the cadet corps who has successfully completed his first year of residence in the University may be commissioned as an officer in the corps. The commissioned officers of the cadet corps receive salaries of \$100 to \$250 annually, and the senior officers rank as assistants in the Department of Military Science and Tactics.

Practical and theoretical instruction is given in band music, and qualified students may substitute this course for the required course in military science and tactics. There are three salaried positions in the band and trumpet corps.

PHYSICAL TRAINING

Students who are officially relieved of the requirements of Military Science and Tactics are subject to the requirements of the Department of Physical Culture.

Every male student who is a candidate for a baccalaureate degree in the four year course is required to take two years of Physical Culture in case he is relieved of the requirements of the Department of Military Training.

Every woman student who is a candidate for a baccalaureate degree in a four year course, must take throughout the first two years of her course, two and a half actual hours a week in the Department of Physical Culture.

It is the desire of the University that physical exercise should prove interesting and attractive to all students, not merely to those of unusual physical ability who are attempting to become members of some of the organized athletic teams.

ATHLETICS

An athletic league exists among the various colleges of the University and a series of athletic contests is carried on throughout the year; all students in the University except the 'varsity athletes may participate in these. The games consist of cross-country running, association football, basketball, indoor athletics, baseball, track athletics, and rowing.

The new playground on Alumni Field contains approximately forty acres. It is within a five minute walk to the Quadrangle and is used as a general playground for baseball, soccer, lacrosse, tennis, etc.

The Armory and the Gymnasium are used for indoor athletic work during the winter months. The Intercollege boat house, situated on the Inlet, is used in the spring by the Intercollege crews. Women students have their separate Gymnasium, boat house, athletic field, etc.

All students who desire to train for athletic competitions are required to be examined by one of the medical examiners.

The University Faculty through its Committee on Student Affairs exercises jurisdiction over organized athletic teams and other recognized student organizations in respect of eligibility rules and leaves of absence.

ATHLETIC ASSOCIATION

The Cornell Athletic Association is an independent organization incorporated under the laws of the State of New York. Its board of trustees is composed of one representative from the Board of Trustees of Cornell University, and four from the faculties of the University, with one member at large, who together with representatives of the alumni and eight students representing officially the different branches of athletics, besides the representation of the undergraduate wearers of the "C", the representatives of the Minor Athletic Sports Association, and freshman representative constitute the Athletic Council. The Association owns Percy Field, the boats and boat houses, two gasoline launches, and other athletic equipment. The Association issues an annual membership ticket on the payment of \$10.00. The holders of these membership tickets are entitled to admission to every local athletic contest under the management of the Association, including all games of baseball, football, and track. Members are also entitled to first choice of reserved seats, and no reserved seat tickets

for games or boat races are sold until the members of the Association have been supplied with the seats they require. No further subscription toward the support of athletics is solicited from holders of membership tickets. The Athletic Council is charged with the active management of the athletic interests of the University. The graduate manager is custodian of the funds belonging to the Association and to the various branches.

The Athletic Association has under its jurisdiction the part of Alumni Field set aside for Varsity athletics consisting of about twelve acres. That part of Alumni Field which is devoted to Varsity track athletics and football, is known as "Schoellkopf Field" and was equipped by members of the Schoellkopf family as a memorial to Jacob F. Schoellkopf; it contains a quarter-mile track, football gridiron and stadium seating 9000 people, above which are two levels in which automobiles are parked.

Schoellkopf Memorial Building on Schoellkopf Field was erected by an alumnus of the University as a memorial to his friend, Henry Schoellkopf, A.B. '02. In this building are the dressing rooms for the Varsity athletic teams and the offices of the Cornell University Athletic Association. Bacon Practice Hall, also adjacent to Schoellkopf Field, contains a dirt floor and is used for baseball, track, football, soccer and lacrosse practices.

Percy Field, an athletic field, covering ten acres, is used for baseball only. It is hoped in the near future that funds may be raised to finish the part of Alumni Field adjacent to Schoellkopf Field, which has been set aside for the baseball diamond and stands to seat 6500 people.

The Athletic Association also has a boat house, shells, gigs, launches, etc., to use in the training of the Varsity crews, situated on the Inlet about one-half mile from Cayuga Lake.

Officers

Herman Diederichs.	President
Charles Hazen Blood.	Financial Adviser
G. Ervin Kent.	Graduate Manager

Members

Charles Hazen Blood.	Board of Trustees
Charles Edward Treman.	At large
David Fletcher Hoy.	Faculty
Eugene Plumb Andrews.	Faculty
Willard Winfield Rowlee.	Faculty
George Prentice Bristol.	Faculty
G. Ervin Kent.	Graduate Manager
Daniel Frederic Potter, Jr.	"C" Representative
Edward Stein Jamison.	Navy Manager
Cowles Andrus.	Crew Representative
Richard John Foster, Jr.	Baseball Manager
Arthur William Mellen, Jr.	Baseball Captain
Samuel Everett Hunkin.	Football Manager
Charles Barrett.	Football Captain
Paul Fitch Sanborne.	Track Manager
John Sherwood Hoffmire.	Track Captain
George May Stevens.	"Minor Sports" Representative
Francis Harley Scheetz.	Freshmen Representative

BENEFICIARY AND LOAN FUNDS

The following beneficiary and loan funds have been established, the income of which is available for the aid of deserving students in Cornell University. The amounts indicated are the totals of the respective funds on August 1, 1915.

Guiteau Student Loan Fund. Gifts under the wills of Frederick W. Guiteau and of Mrs. Nancy G. Howe (\$94,689.03), the income to be used in advancing and assisting needful, worthy young men in pursuing their studies in the University. Established 1904. \$265,171.97

Agricultural Student Loan Fund. Founded by gift of the School of Practical Agriculture and Horticulture at Briercliff, N. Y., to aid students in the Agricultural College who are working their way through, and increased by Agricultural students. Established 1908 \$873.01

The Student Fund of the Cornell Club of Rochester. A loan of the annual value of \$200 as a maximum. Cornell University is not responsible for the award of this fund.

Florence Dearstyne Fund. Gift under the will of Miss Florence E. Dearstyne, the income to be used under the direction of the Federation of Cornell Women's Clubs in assisting needy young women students. Established 1914. \$2,367.71

Polish Student Loan Fund. Gift from Polish students at Cornell to be disbursed to candidates presented by members of the Polish Club of the University. Established 1909. \$128.00

Wm. C. Seidel Book Fund. Gift of Mr. and Mrs. Gerrit S. Miller, the income to be used to purchase books for poor young men working their way through the College of Civil Engineering. Established 1905 \$1,165.16

State Scholarship Alumni Fund. The nucleus of a fund to assist needy students. Established in 1914 by the gift of G. W. Graves, A.B., 1905, M.D., 1908, of the equivalent of the state scholarship held by him. \$400.00

Woman's Guild Fund. The gift of women interested in the University, the income to be used to aid needy sick students. Established 1892. \$6,557.41

Women Students' Loan Fund. Consists of former Students' Loan Fund, the income to be loaned to needy women students, and increased in 1913 by \$7,000, temporarily assigned to the fund by Ex-President Andrew D. White from funds placed at his disposal by Trustee Andrew Carnegie \$19,420.58

Wurts Loan Fund. Gift of \$2,000 by Alexander Jay Wurts, in memory of his mother, the income to be loaned to students of Sibley College to "help lift the man's burden from the boy's shoulders." Additions by Sibley students. Established 1912 \$2,267.74

PUBLICATIONS

The Official Publications of Cornell University are issued monthly from July through November, and semi-monthly from December through June. They include the annual Register, the Annual Report of the President, the Announcements of the various colleges, the General Circular of Information, and various departmental and other announcements. The Secretary of the University is the University Publisher.

The Philosophical Review, now in its twenty-fifth year, is a bimonthly journal edited by James E. Creighton, Professor of Logic and Metaphysics in the Sage School of Philosophy.

Cornell Studies in Classical Philology. This series, of which nineteen numbers have been published, is edited by Charles E. Bennett, Goldwin Smith Professor of Latin and George P. Bristol, Professor of Greek.

The Journal of Physical Chemistry, now in its twentieth year, is published monthly during the academic year by Wilder D. Bancroft, Professor of Physical Chemistry.

Cornell Studies in Philosophy. This series of monographs is issued under the editorial supervision of the professors of philosophy in the Sage School of Philosophy. Ten numbers have been published.

Icelandica, of which eight volumes have been published, is an annual relating to Iceland and to the Fiske Icelandic Collection in the Cornell University Library.

Cornell University Medical Bulletin and the **Publications of the Cornell University Medical College** contain studies from the various departments of the Medical College.

The Memoirs of the Cornell University Agricultural Experiment Station consist of the more technical bulletins of the Federal Experiment Station at Cornell University.

ASSOCIATE ALUMNI

By the charter of the University the graduates are entitled to elect two of the Board of Trustees each year. At a meeting called for the purpose and held on Wednesday, June 26, 1872, the day preceding the annual Commencement, representatives of all the classes that had graduated being present, the alumni formed an organization under the name of the Associate Alumni of Cornell University. The declared object of the association was to promote in every proper way the interests of the University and to foster among the graduates a sentiment of regard for each other and of attachment to their Alma Mater. On May 19, 1903, the Association was incorporated under the general laws of the State of New York.

By an amendment to the charter of the University, passed May 15, 1883, permitting members of the alumni, not present in person, to vote by written ballot at the annual election of trustees, the Treasurer of the University is required to keep "a registry of the signature and address of each alumnus." It is therefore important that each alumnus keep the Treasurer of the University informed of his full address (city, street, and number), and notify him immediately of any change.

The following ordinance was adopted by the Board of Trustees, October 24, 1888. All graduates of the first degree, in any of the departments of Cornell University, and all persons who have been admitted to any degree higher than the first in said University shall be alumni of said University, and as such be entitled to vote for alumni trustees under and in pursuance of the provisions contained in chapter 763 of the Laws of New York passed in 1867.

Officers and Committees for 1915-16

President—William Mitchell Irish, '90, 3144 Passyunk Ave., Philadelphia, Pa.

Vice-Presidents—John Corley Westervelt, '94, 36 West 34 St., New York City; Alice Henrietta Bruere, '95, 400 Riverside Dr., New York City.

Secretary—William John Dugan, '07, 87 Erie County Bank Bldg., Buffalo, N. Y.

Treasurer—Alfred Dupont Warner, jr., '00, 1503 14th St., Wilmington, Del.

Alumni Recorder—H. W. Peters, 31 Morrill Hall, Ithaca, N. Y.

Board of Directors—(Term expires in 1916.) Charles Monroe Thorp, '84, 326 Maple Ave., Edgewood Park, Pittsburgh, Pa.; James Harvey Edwards, '88, 30 Church St., New York City; Simon Louis Adler, '89, 811-814 Wilder Bldg., Rochester, N. Y.; Willard John Crawford, 720 Cuyahoga Bldg., Cleveland, Ohio; Alfred Dupont Warner, jr., '00, 1503-14th St., Wilmington, Del.; Clark S. Northup, '93, 407 Elmwood Ave., Ithaca, N. Y.; Franklin Matthews, '83, Columbia School of Journalism, New York City.

(Term expires in 1917.) Charles Gray Wagner, '80, Binghamton, N. Y.; William Mitchell Irish, '90, 3144 Passyunk Ave., Philadelphia, Pa.; Lewis Leeds Tatum, '97, 621 Downer Ave., Milwaukee, Wis.; William Watts Macon, '98, 711 Ave. J., Brooklyn, N. Y.; William John Dugan, '07, 87 Erie Co. Bank Bldg., Buffalo, N. Y.

(Term expires in 1918) William Henry Harrison Hutton, jr., '91, 622 2d Ave., Detroit, Mich.; Nicholas Herman Noyes, '06, 1328 N. Delaware St., Indianapolis, Ind.; Warren Greene Ogden, '01, 53 State St., Boston, Mass.; Ezra Bailey Whitman, '01, 1305 John St., Baltimore, Md.; William Chauncey Geer, '02, 630 Diagonal Rd., Akron, Ohio; Alice Henrietta Bruere, '95, 400 Riverside Dr., New York City.

Nominating Committee—Term expires in 1916: David Fletcher Hoy, '91, Ithaca, N. Y.; Joseph Porter Harris, '01, 714 Cuyahoga Bldg., Cleveland, Ohio; Herbert Randolph Cox, '05, care The Country Gentleman, Philadelphia, Pa. Term expires in 1917: Eugene Charles Zeller, '00, 4320 Washington Ave., St. Louis, Mo.; Frank Crowl Robinson, '04, 3144 Passyunk Ave., Philadelphia, Pa.; Roscoe Claudius Edlund, '09, 401 Chamber of Commerce Bldg., Cleveland, Ohio. Term expires in 1918: John Nelson Ostrom, '77, 2425 Farmer's Bank Bldg., Pittsburgh, Pa.; Phillip Will, '00, 524 Oak St., Rochester, N. Y.; Julian Albert Pollak, '07, 625 E. Mitchell Ave., Cincinnati, Ohio.

Clubs and Associations with the Name and Address of the Secretary of Each General

THE ASSOCIATE ALUMNI OF CORNELL UNIVERSITY.—William John Dugan, 87 Erie County Bank Bldg., Buffalo, N. Y.

THE CORNELLIAN COUNCIL.—Harold Flack, 30 Church St., New York.

THE CORNELL ASSOCIATION OF CLASS SECRETARIES.—H. W. Peters, 31 Morrill Hall, Ithaca, N. Y.

CORNELL SOCIETY OF CIVIL ENGINEERS.—Ernest A. Truran, 33 Lincoln Terrace, Yonkers, N. Y.

East

CORNELL CLUB OF NEW ENGLAND—A. C. Blunt, jr., 354 Congress St., Boston, Mass.

CORNELL ASSOCIATION OF CONNECTICUT.—William Van Kirk, Fairfield, Conn.

CORNELL UNIVERSITY CLUB OF NEW YORK.— — — — —, 65 Park Ave., New York City.

CORNELL ASSOCIATION OF BROOKLYN.—Charles L. Mulligan, 22 St. Francis Pl. Brooklyn, N. Y.

EASTERN NEW YORK CORNELL ALUMNI ASSOCIATION.—George A. Mathers, 307 Main St., Bennington, Vt.

CORNELL ALUMNI ASSOCIATION OF SCHENECTADY.—C. S. Coggeshall, care Turbine Sales Dept., General Electric Company, Schenectady, N. Y.

CORNELL ALUMNI ASSOCIATION OF NORTHERN NEW YORK.—George H. Hooker, 8 State St., Watertown, N. Y.

CORNELL CLUB OF OSWEGO COUNTY.—Charles W. Linsley, 52 East Utica St., Oswego, N. Y.

CORNELL CLUB OF HERKIMER COUNTY.—Fred D. McIntosh, Little Falls, N. Y.

CORNELL CLUB OF CENTRAL NEW YORK.—J. G. Tracy, 107 Segwick Dr., Syracuse, N. Y.

CORNELL ALUMNI ASSOCIATION OF SENECA FALLS.—Ross W. Kellogg, Seneca Falls, N. Y.

CORNELL CLUB OF BINGHAMTON.—A. L. Gilmore, 1104 Press Bldg., Binghamton, N. Y.

CORNELL ALUMNI ASSOCIATION OF THE SOUTHERN TIER.—L. D. Clute, 480 W. Water St., Elmira, N. Y.

CORNELL CLUB OF UTICA.—Charles B. Mason, 30 Genesee St., Utica, N. Y.

CORNELL CLUB OF ROCHESTER.—Franklin H. Smith, 707 Wilder Bldg., Rochester, N. Y.

CORNELL ALUMNI ASSOCIATION OF WESTERN NEW YORK.—William J. Dugan, 87 Erie County Bank Bldg., Buffalo, N. Y.

NIAGARA FALLS ALUMNI ASSOCIATION.—Frederick L. Lovelace, 730 Main St., Niagara Falls, N. Y.

CORNELL ALUMNI ASSOCIATION OF JAMESTOWN, N. Y.—Charles H. Wiborg, Fenton Bldg., Jamestown, N. Y.

CORNELL CLUB OF NORTHERN NEW JERSEY.—H. Ezra Eberhardt, Mountain View Terrace, Maplewood, N. J.

CORNELL CLUB OF PHILADELPHIA.—S. V. V. Hoffman, jr., 1519 Sansom St., Philadelphia, Pa.

CORNELL UNIVERSITY CLUB OF DUTCHESS COUNTY—S. H. Hall, 87 S. Cherry St., Poughkeepsie, N. Y.

NORTHEASTERN PENNSYLVANIA ASSOCIATION.—Seth W. Shoemaker, 827 Electric St., Scranton, Pa.

CORNELL CLUB OF WESTERN PENNSYLVANIA.—K. W. Gass, 125 Stratford Ave. Pittsburgh, Pa.

CORNELL UNIVERSITY ASSOCIATION OF DELAWARE.—Alfred D. Warner, jr., 1503 West 14th St., Wilmington, Del.

LUZERNE COUNTY CORNELL CLUB.—E. B. Wagner, 56 N. Washington Ave., Wilkes-Barre, Pa.

CORNELL ASSOCIATION OF CENTRAL PENNSYLVANIA.—E. M. Deeter, P. O. Box 586, Harrisburg, Pa.

South

CORNELL ASSOCIATION OF MARYLAND.—A. V. Foard, 1602 Linden Ave., Baltimore, Md.

CORNELL CLUB OF WASHINGTON.—Ernest Kelly, 1513 Oak St., N. W., Washington, D. C.

CORNELL UNIVERSITY CLUB OF LOUISIANA.—E. E. Soulé, 603 Saint Charles St., New Orleans, La.

CORNELL UNIVERSITY CLUB OF TEXAS.—J. L. Jacobs, James Stewart Co., Houston, Tex.

Middle States

CORNELL CLUB OF CLEVELAND.—Dr. I. J. Kerr, 1015 New England Bldg., Cleveland, Ohio.

CORNELL ALUMNI ASSOCIATION OF TOLEDO.—C. J. Mandler, 403 Superior St., Toledo, O.

AKRON CORNELL ASSOCIATION—W. S. Voris, City Hall, Akron Ohio.

CORNELL CLUB OF CINCINNATI.—G. A. Pollak, 625 E. Mitchell Ave., Cincinnati, Ohio.

CORNELL UNIVERSITY ASSOCIATION OF INDIANA.—N. H. Noyes, care Eli Lilly & Co., Indianapolis, Ind.

CORNELL ALUMNI ASSOCIATION OF MICHIGAN.—W. E. Flickinger, 510 Farwell Bldg., Detroit, Mich.

CORNELL UNIVERSITY ASSOCIATION OF CHICAGO.—R. W. Sailor, 1415 Michigan Ave., Chicago, Ill.

CORNELL UNIVERSITY ALUMNI ASSOCIATION OF MILWAUKEE.—L. B. Birckhead, 251 Oneida St., Milwaukee, Wis.

THE CORNELL CLUB OF ST. LOUIS.—Eugene C. Zeller, 4320 Washington Ave., St. Louis, Mo.

CORNELL ASSOCIATION OF KANSAS CITY.—G. F. Mosher, 310 Republic Building, Kansas City, Mo.

MINNESOTA CORNELL ALUMNI ASSOCIATION.—R. C. Vincent, 1405 Pioneer Bldg., St. Paul, Minn.

HEAD OF THE LAKES CORNELL ASSOCIATION.—F. W. Hargreaves, 513 East Third St., Duluth, Minn.

OMAHA CORNELL CLUB.—George B. Thummel, 554 Omaha National Bank Bldg., Omaha, Neb.

West

THE ROCKY MOUNTAIN CORNELL ALUMNI ASSOCIATION.—A. F. Zang, 709 Clarkson St., Denver, Colo.

CORNELL ALUMNI ASSOCIATION OF UTAH.—Paul Williams, Room 613-14-15 Walker Bank Bldg., Salt Lake City, Utah.

LOGAN CORNELL CLUB.—E. G. Peterson, Logan, Utah.

CORNELL UNIVERSITY CLUB OF SPOKANE.—Ernest Price, care Whitehouse and Price, Spokane, Wash.

PACIFIC NORTHWEST ASSOCIATION.—Frank D. Nash, 500 Bank of California Building, Tacoma, Wash.

CORNELL ALUMNI ASSOCIATION OF PORTLAND.—H. P. Henry, Yeon Bldg., Portland, Ore.

CORNELL UNIVERSITY CLUB OF NORTHERN CALIFORNIA.—C. W. Evans, 183 Fremont St., San Francisco, Cal.

CORNELL UNIVERSITY CLUB OF SOUTHERN CALIFORNIA.—T. K. Gally, 105 W. 4th St., Los Angeles, Cal.

Foreign and Insular

CORNELL ALUMNI ASSOCIATION OF FRANCE.—Henry C. Charpiot, 26 Rue Laffitte, Paris, France.

CORNELL CLUB OF HAWAII.—H. A. R. Austin, 20 Kapiolani Bldg., Honolulu, T. H.

CORNELL ALUMNI ASSOCIATION OF THE PHILIPPINE ISLANDS.—Abraham Gideon, City Hall, Manila, P. I.

CORNELL CLUB OF NORTH CHINA.—Y. S. Djang, Tientsin, China.

THE CORNELL ASSOCIATION OF EASTERN CANADA.—W. H. Wardwell, 413 New Birks Bldg., Montreal, Can.

Women's Clubs

FEDERATION OF CORNELL WOMEN'S CLUBS.—Mrs. W. Grant Egbert, 404 E. Buffalo St., Ithaca, N. Y.

ALBANY.—Miss Emily D. Martin, 380 Hamilton St., Albany, N. Y.

BOSTON.—Miss Laura K. Johnson, 102 The Fenway, Boston, Mass.

BUFFALO.—Miss Sara C. Walsh, 2318 Seneca St., Buffalo, N. Y.

CHICAGO.—Mrs. Robert W. Sailor, 135 N. Ridgeland Ave., Oak Park, Ill.

CLEVELAND.—Miss F. Rosenthal, 10209 South Boulevard, Cleveland, Ohio.

ITHACA.—Miss Rebecca Harris, Kelvin Pl., Ithaca, N. Y.

NEW YORK.—Miss Margaret Graham, 47 Kensington Ave., Jersey City Heights, N. J.

PHILADELPHIA.—Miss Edith Loux, 5235 Catherine St., Philadelphia, Pa.

PITTSBURGH.—Mrs. John A. Hunter, 151 Dickson Ave., Ben Avon, Pa.

ROCHESTER.—Miss Eleanor Gleason, 15 Portsmouth Terrace, Rochester, N. Y.

TROY.—Miss Frances McTammany, 170 1st St., Troy, N. Y.

UTICA.—Miss K. A. Donlon, 1323 Seymour Ave., Utica, N. Y.

WASHINGTON.—Miss Margaret Connor, 3149 Mt. Pleasant St., N. W., Washington, D. C.

WATERVLIET.—Miss Anna W. Fogarty, 1926 23 St., Watervliet, N. Y.

WORCESTER.—Mrs. Edwin M. Slocombe, 41 Lancaster St., Worcester, Mass.

THE CORNELLIAN COUNCIL

OFFICERS

President—Franklin Matthews, '83, Columbia School of Journalism, New York City.

Vice-President—Edward L. Stevens, jr., '99, 154 Nassau St., New York City.

Secretary—Harold Flack, '12, 30 Church St., New York City.

Alumni Recorder—H. W. Peters, '14, 31 Morrill Hall, Ithaca, N. Y.

The Cornellian Council is the Alumni organization having for its purpose the stimulation of interest among the Alumni in the financial support of the University. The founders had in mind the idea of doing away with indiscriminate and merely occasional solicitation among the Alumni, and of having contributions of all kinds from the Alumni made through the Cornellian Council and as far as possible by annual subscriptions, thus securing regular support.

The membership of the Council is made up of one representative from each of the last forty classes, selected by the classes, with twenty representatives at large, selected by the Council.

Payments of subscriptions obtained by the Cornellian Council are made by checks payable to "Cornell University," and at once become a part of the Cornell University Alumni Fund. The checks as soon as received by the Secretary of the Council are immediately forwarded to the Treasurer of the University. From time to time sums are appropriated by the Board of Trustees from this fund to specific University purposes.

Regular meetings are held twice a year, one of which, the annual meeting, is held in Ithaca, during Commencement week, the other in January, at a place to be designated.

During 1913, 1914, and 1915, \$60,000 has been appropriated by the Board of Trustees to specific University purposes.

HONORARY MEMBERS

Julius Chambers, '70, 312 W. 109th St., New York City.

Frederic Schoff, '71, 26th and Callowhill Sts., Philadelphia, Pa.

William J. Youngs, '72, Garden City, L. I.

Edwin Gillette, '73, Ithaca, N. Y.

William R. Lazenby, '74, State University, Columbus, O.

Charles S. Harmon, '75, 1205 First National Bank Building, Chicago, Ill.

1876—Jeremiah K. Cady, 172 Washington St., Chicago, Ill.

1877—Merritt E. Haviland, 32 Nassau St., New York City.

- 1878—Mrs. Bessie DeW. Beahan, 2213 Bellfield Ave., Cleveland, Ohio.
- 1879—Calvin Tomkins, 30 Church St., New York City.
- 1880—Hosea Webster, 85 Liberty St., New York City.
- 1881—Ira A. Place, Grand Central Terminal, New York City.
- 1882—Dr. Herbert D. Schenck, 75 Halsey St., Brooklyn, N. Y.
- 1883—Franklin Matthews, Columbia School of Journalism, New York City.
- 1884—Henry J. Patten, 220 Western Union Building, Chicago, Ill.
- 1885—Robert J. Eidlitz, 30 East 42d St., New York City.
- 1886—Elias A. deLima, Battery Park National Bank, New York City.
- 1887—George C. Miller, 1012 Fidelity Building, Buffalo, N. Y.
- 1888—Albert E. Metzger, 1508 Broadway, Indianapolis, Ind.
- 1889—Leon Stern, 1017 Chamber of Commerce Building, Rochester, N. Y.
- 1890—Junius T. Auerbach, 6 Beacon St., Boston, Mass.
- 1891—R. F. Almirall, 185 Madison Ave., New York City.
- 1892—Robert T. Mickle, 430 W. Stafford St., Germantown, Philadelphia, Pa.
- 1893—E. Vail Stebbins, 42 Broadway, New York City.
- 1894—Edwin P. Young, Towanda, Pa.
- 1895—Woodford Patterson, Ithaca, N. Y.
- 1896—Oliver D. Burden, 935 University Block, Syracuse, N. Y.
- 1897—Frank O. Affeld, jr., 141 Broadway, New York City.
- 1898—John Joseph Kuhn, 115 Broadway, New York City.
- 1899—Edward L. Stevens, jr., 154 Nassau St., New York City.
- 1900—Arthur P. Bryant, 50 Congress St., Boston, Mass.
- 1901—John Lawson Senior, 246 Wildwood Ave., Jackson, Mich.
- 1902—Maurice Whinery, 7 Laight St., New York City.
- 1903—Raymond P. Morse, Jay and Water Sts., Brooklyn, N. Y.
- 1904—Harland B. Tibbetts, 37 Wall St., New York City.
- 1905—Erskine P. Wilder, Elmhurst, Ill.
- 1906—Robt. H. Coit, 1216 Astor St., Chicago, Ill.
- 1907—Julian A. Pollak, The Pollak Steel Co., Cincinnati, O.
- 1908—William G. Mennen, 727 High St., Newark, N. J.
- 1909—Robert E. Coulson, 62 Cedar St., New York City.
- 1910—Russell B. Hurlburt, 115 Broadway, New York City.
- 1911—Arthur Wyllys Hawkes, jr., Phoenix, N. Y.
- 1912—Finis E. Yoakum, jr., 140 E. Ave., 59, Los Angeles, Cal.
- 1913—Ward Kremer, Bradley Beach, N. J.
- 1914—Thomas B. Crews, '14, Washington Hotel, St. Louis, Mo.
- 1915—Thomas Francis Keating, jr., 11 East 87 St., New York City.

AT LARGE

- John Frankenheimer, '73, 25 Broad St., New York City.
- Charles W. Mason, '76, 9209 Euclid Avenue, Cleveland, O.
- Mrs. A. B. Comstock, '85, Roberts Pl., Ithaca, N. Y.
- George B. Kittinger, '85, 659 Colman Block, Seattle, Wash.
- George W. Bacon, '92, 115 Broadway, New York City.
- Edward R. Alexander, 825 Garfield Bldg., Cleveland, Ohio.
- Kelton E. White, '00, 303 N. 4th St., St. Louis, Mo.
- William Metcalf, jr., '01, 1410 H. W. Oliver Bldg., Pittsburgh, Pa.
- Willard D. Straight, '01, 23 Wall St., New York City.
- Ernest S. Shepherd, '02, Geophysical Laboratory, Washington, D. C.

THE CORNELL ASSOCIATION OF CLASS SECRETARIES

OFFICERS FOR 1915-16

- President—Clark S. Northup, '93, 407 Elmwood Ave., Ithaca, N. Y.
Vice-President—Elmer Ellsworth Bogert, '94, 1125 Boston Rd., Bronx,
New York City.
Treasurer—Robert Elias Treman, '09, Ithaca, N. Y.
Secretary—H. W. Peters, '14, 31 Morrill Hall, Ithaca, N. Y.

CLASS SECRETARIES

- 1869—Morris Lyon Buchwalter, Carew Bldg., Cincinnati, Ohio.
1870—Charles Albert Storke, McKay Bldg., Santa Barbara, Calif.
1871—Robert Goodloe Harper Speed, 911 E. State St., Ithaca, N. Y.
1872—Charles Lee Crandall, 408 Hector St., Ithaca, N. Y.
1873—Edwin Gillette, 304 N. Geneva St., Ithaca, N. Y.
1874—John Henry Comstock, Roberts Place, Ithaca, N. Y.
1875—Henry Woodward Sackett, Tribune Bldg., New York City.
1876—Daniel Franklin Flannery, 1200 Westminster Bldg., Chicago, Ill.
1877—William Ogdon Kerr, 111 Oak Ave., Ithaca, N. Y.
1878—Willard Beahan, 2213 Bellfield Ave., Cleveland, Ohio.
1879—Calvin Tomkins, 17 Battery Place, New York City.
1880—Addison Delavan Merry, 706 Dillaye Memorial Bldg., Syracuse, N. Y.
1881—Henry Hiram Wing, 3 Reservoir Ave., Ithaca, N. Y.
1882—Norton Townshend Horr, 1518 Williamson Bldg., Cleveland, O.
1883—Franklin Matthews, Columbia School of Journalism, New York City.
1884—Henry Pelouse de Forest, 59 West 54 St., New York.
1885—Edward Herman Bostwick, 402 N. Geneva St., Ithaca, N. Y.
1886—Luzerne Coville, 514 East Buffalo St., Ithaca, N. Y.
1887—Veranus Alva Moore, 914 E. State St., Ithaca, N. Y.
1888—Willard Winfield Rowlee, 11 East Ave., Ithaca, N. Y.
1889—Henry Neely Ogden, 614 University Ave., Ithaca, N. Y.
1890—Charles James Miller, Newfane, N. Y.
1891—Willard Austen, Cornell University Library, Ithaca, N. Y.
1892—Charles Dibble Bostwick, 803 E. Seneca St., Ithaca, N. Y.
1893—Clark Sutherland Northup, 407 Elmwood Ave., Ithaca, N. Y.
1894—Elmer Ellsworth Bogart, 1125 Boston Road, Bronx, New York City.
1895—William Fitch Atkinson, 44 Court St., Brooklyn, N. Y.
1896—George Solomon Tompkins, P. O. Box 343, Albany, N. Y.
1897—George Nieman Lauman, College of Agriculture, Ithaca, N. Y.
1898—Jesse Fuller, jr., Sparks & Fuller, Temple Bar Bldg., Brooklyn, N. Y.
1899—Charles Crawford Whinery, 108 Carnegie Ave., East Orange, N. J.
1900—George Harper Young, 93 Main St., Binghamton, N. Y.
1900—Mrs. M. H. Kingsbury (for women), 2 South Ave., Ithaca, N. Y.
1901—Arthur Sherwood, 52 Vanderbilt St., New York City.
1902—William John Norton, Room 1514, 111 W. Monroe St., Chicago, Ill.
1902—Mrs. Ruth Bentley Shreve (for women), Hastings-on-Hudson, N. Y.

- 1903—Raymond Parmlee Morse, 166 Gates Ave., Brooklyn, N. Y.
 1904—Cecil Jarvis Swan, 820 So. Michigan Ave., Chicago, Ill.
 1904—Dr. Mary Crawford (for women), 100 E. 17th St., New York City.
 1905—Harold Jay Richardson, 131 Dayan St., Lowville, N. Y.
 1906—Charles Henry Tuck, Agricultural College, Ithaca, N. Y.
 1907—Antonio Lazo, Parkinson & Burr, 7 Wall St., New York City.
 1908—Seth Whitney Shoemaker, 827 Electric St., Scranton, Pa.
 1909—Robert Elias Treman, 411 University Ave., Ithaca, N. Y.
 1909—Mrs. R. W. Sailor (for women), 135 N. Ridgeland Ave., Oak Park, Ill.
 1910—Andrew Joseph Whinery, 810 Borad St., Newark, N. J.
 1911—James Edward Oliver Winslow, The New York Herald, New York City.
 1911—Miss Clara Vivian Braymer (for women), Granville, N. Y.
 1912—Ross William Kellogg, 8 John St., Seneca Falls, N. Y.
 1912—Mrs. Mabel DeForest Starkweather, (for women), 16 Holmes St., Nutley, N. J.
 1913—George Helm Rockwell, 136 Broadway, Cambridge, Mass.
 1913—Miss Sophie M. Becker (for women), 502 N. Calhoun St., Baltimore, Md.
 1914—Heber Wallace Peters, Cornell University Secretary, Ithaca, N. Y.
 1914—Mrs. Howard Teall (for women), Sodus, N. Y.
 1915—Robert Whitman White, 102 Waverly Pl., New York City.
 1915—Miss Sarah Barclay (for women), 174 Prospect Park West, Brooklyn, N. Y.

MED. COLL.—William Henry Cattle, Mamaroneck, N. Y.

Nan Gilbert Seymour (for women), 129 E. 17th St., New York City.

HONORARY MEMBERS

President Jacob Gould Schurman, Ithaca, N. Y.
 Registrar David Fletcher Hoy, '91, Ithaca, N. Y.
 Woodford Patterson, '96, Ithaca, N. Y.
 Franklin Matthews, President Cornellian Council.
 William Mitchell Irish, President Associate Alumni.
 Thomas F. Crane, Ithaca, N. Y.

CLASS MEMORIALS

- CLASS OF 1872:—Seventy-two Elm Trees bordering President's Avenue and northern half of East Avenue.
 CLASS OF 1873:—Drinking Fountain in front of McGraw Hall.
 CLASS OF 1878:—The Class Pipe.
 CLASS OF 1879:—Bronze Tablet containing bust of Bayard Taylor in Sage Chapel.
 CLASS OF 1883:—Portrait of Professor William Dexter Wilson, D.D., LL.D. in the University Library.
 CLASS OF 1884:—Portrait of Professor Charles Chauncey Shackford, A.M. in the University Library.
 CLASS OF 1885:—Statue of Augustus Cæsar in the Museum of Casts.
 CLASS OF 1886:—The '86 Memorial Prize in Junior Oratory.
 CLASS OF 1890:—Cornell Boat House.
 CLASS OF 1891:—The '91 Memorial Fund subject to class action.

- CLASS OF 1892:—The Witherbee Memorial Club House at Percy Field.
- CLASS OF 1893:—The Interscholastic League Prizes in Athletics.
- CLASS OF 1894:—The '94 Memorial Prize in Debate.
- CLASS OF 1895:—The Henley Shell.
- CLASS OF 1896:—Gift toward the establishment of a University Club.
- CLASS OF 1897:—Gift toward the establishment of a University Club.
- CLASS OF 1898:—Gift toward the establishment of a University Club.
- CLASS OF 1898 (College of Law):—Carved oak seat in Boardman Hall.
- CLASS OF 1899:—Gift toward the establishment of an Alumni Hall.
- CLASS OF 1900:—Gift toward the establishment of an Alumni Hall.
- CLASS OF 1901:—Gift toward the establishment of an Alumni Hall.
- CLASS OF 1902:—Gift toward the establishment of an Athletic Field.
- CLASS OF 1903:—Gift toward the establishment of an Athletic Field.
- CLASS OF 1903 (College of Law):—Portraits of Justice Rufus W. Peckham and Joseph H. Choate.
- CLASS OF 1904:—Gift toward an Endowment Fund.
- CLASS OF 1904 (College of Law):—Portraits of James C. Carter and Elihu Root.
- CLASS OF 1905:—Gift toward the establishment of an Alumni Hall.
- CLASS OF 1905 (College of Law):—Portraits of Abraham Lincoln and Thomas M. Cooley.
- CLASS OF 1906:—Gift toward an Endowment Fund.
- CLASS OF 1906 (College of Law):—Portrait of Justice Joseph W. Story.
- CLASS OF 1907:—Gift toward an Endowment Fund.
- CLASS OF 1907 (College of Law):—Portrait of Governor Charles E. Hughes.
- CLASS OF 1908:—Gate for Alumni Field.
- CLASS OF 1908 (College of Law):—Oak seat in Boardman Hall.
- CLASS OF 1909:—Gift toward an Endowment Fund.
- CLASS OF 1910:—Gift toward an Endowment Fund.
- CLASS OF 1910 (College of Law):—Portrait of James Barr Ames.
- CLASS OF 1911:—Gift toward an Endowment Fund.
- CLASS OF 1911 (College of Law):—Portrait of Chief Justice White.
- CLASS OF 1912:—Gift toward an Endowment Fund.
- CLASS OF 1912 (College of Law):—Portrait of Professor William Albert Finch.
- CLASS OF 1913:—Gift toward an Endowment Fund.
- CLASS OF 1914:—Gift toward an Endowment Fund.
- CLASS OF 1915:—Gift toward an Endowment Fund.

CORNELL UNIVERSITY SUMMER SESSION

July 6—August 13, 1915

OFFICERS

Jacob Gould Schurman, LL.D., President of the University.
George Prentice Bristol, A.M., Director of the Summer Session.
David Fletcher Hoy, M.S., Registrar of the University.

FACULTY

Arthur Augustus Allen, Ph.D., Instructor in Zoology.	Zoology
Ross Peter Anderson, Ph.D., Assistant Professor in Chemistry.	Chemistry
Elmer James Bailey, Ph.D., Instructor in English.	English
Dane Lewis Baldwin, M.A., Instructor in English	English
Darwin L. Bardwell, D.Sc., Assistant Superintendent of Schools, New York.	Education
Leila Mary Bartholomew	Music
Ernest Blaker, Ph.D., Assistant Professor of Physics.	Physics
Roy G. Blakey, Ph.D., Assistant Professor of Economics.	Economics
Albert William Boesche, Ph.D., Assistant Professor of German.	German
Edmund Garrigues Boring, Ph.D., Instructor in Psychology.	Psychology
William Edward Beitz, C.E., Instructor in Civil Engineering.	Engineering
Julian Pleasant Bretz, Ph.D., Professor of American History.	History and Government
George Prentice Bristol, A.M., Professor of Greek.	Greek
Leslie Nathan Broughton, Ph.D., Instructor in English.	English
Thomas Benjamin Brown, A.B., Instructor in Physics.	Physics
Arthur Wesley Browne, Ph.D., Professor of Chemistry.	Chemistry
Laura Bryant, Director of Music, Ithaca Public Schools.	Music
William Benjamin Buck, Assistant in Wood Shop.	Manual Training
Earle Nelson Burrows, C.E., Instructor in Civil Engineering.	Engineering
Henry A. Buschek, Ph.D., Teacher of German, Brooklyn Polytechnic Institute.	German
Walter Butterfield, Director of Music, Manchester, N. H.	Music
Robert Wilbur Burgess, Ph.D., Instructor in Mathematics.	Mathematics
Frank Carney, Ph.D., Professor of Geography and Geology, Denison University.	Geography
Walter Buckingham Carver, Ph.D., Assistant Professor of Mathematics.	Mathematics
Emile Monnin Chamot, Ph.D., Professor of Sanitary Chemistry and Toxicology.	Chemistry and Toxicology
Hamlin E. Cogswell, Mus.M., Director Normal Conservatory of Music, Indiana, Pa.	Music
Clifford Stone Cooley, B.Chem., Assistant in Chemistry.	Chemistry
Walter Rodney Cornell, B.S., Instructor in Mechanics.	Engineering
Clyde Firman Craig, Ph.D., Instructor in Mathematics.	Mathematics
George Irving Dale, A.B., Instructor in Spanish.	Spanish
Hollis Dann, Mus.D., Professor of Music.	Music
Hermann Davidsen, Ph.D., Assistant Professor of German.	German
John DeWitt Denney, A.B., Assistant in Zoology.	Zoology
Forrest L. Dimmick, A.B., Assistant in Psychology.	Psychology
Ruth Laura Dimmick, A.B., Assistant in Education.	Education
Alexander M. Drummond, A.M., Instructor in Public Speaking.	Public Speaking
Charles Love Durham, Ph.D., Professor of Latin.	Latin
Harold Walter Elley, M.A., Assistant in Chemistry.	Chemistry
Ellsworth David Elston, A.B., Instructor in Physical Geography.	Physical Geography
Carl John Engelder, A.B., Assistant in Chemistry.	Chemistry
William Silliman Foster, Ph.D., Instructor in Psychology.	Psychology
David Kennedy Fraser, M.A., Assistant Professor of Education.	Education
Jean Marius Gelas, Instructor in Fencing.	Physical Training
Frederick Raymond Georgia, Instructor in Chemistry.	Chemistry
Roswell Clifton Gibbs, Ph.D., Assistant Professor of Physics.	Physics
Allan H. Gilbert, Ph.D., Instructor in English.	English
Pierre F. Giroud, L.L., O.I., Lecturer in University of Pa.	French

J. Earl Griffith, Head of Department of Drawing and Art, Central High School, Newark, N. J.	Drawing and Art
John Walter Hall, Teacher of Singing, New York City.	Music
Clarence Walter Ham, M.E., Assistant Professor of Machine Design.	Industrial Education
William A. Hoerrner, Professor of Music, Colgate University, Hamilton, N. Y.	Music
Joseph Stanley Hook, A.M., Instructor in Economic Geology.	Geology
Leroy Hooper, Foreman of Pattern Shop.	Manual Training
Helen B. Hoover, Teacher of Applied Art, West Technical High School, Cleveland, Ohio.	Industrial Education
Wallie Abraham Hurwitz, Ph.D., Assistant Professor of Mathematics.	Mathematics
Arthur Edward Johnstone, Teacher of Music, New York City.	Music
Ralph Hayward Keniston, Ph.D., Assistant Professor of Romance Languages and Literatures.	Spanish
Dexter Simpson Kimball, M.E., Professor of Machine Design and Industrial Engineering.	Industrial Education
Robert Waldo King, A.B., Instructor in Physics.	Physics
Burton Judson Lemon, Ph.D., Instructor in Chemistry.	Chemistry
Gustav Ernst Lundell, Ph.D., Assistant Professor of Chemistry.	Chemistry
William Edward Lunt, Ph.D., Professor of Modern European History.	European History
Joseph Vance McKelvey, Ph.D., Instructor in Mathematics.	Mathematics
Samuel Arthur Mahood, M.A., Instructor in Chemistry.	Chemistry
James Frederick Mason, Ph.D., Professor of Romance Languages.	French
Edith H. Matzke, M.D., Medical Adviser for Women.	Hygiene
Enid Merrill, Supervisor of Physical Training, Brookline, Mass.	Physical Education
Irving E. Miller, Ph.D., Assistant Professor of Philosophy, University of Rochester.	Philosophy
Daniel Chauncey McCoy, Assistant in Chemistry.	Chemistry
Victor Elvert Monnett, A.B., Instructor in Geology.	Geology
Guy Brooks Muchmore, A.B., Assistant Professor of Public Speaking.	Public Speaking
William Ridgley Orndorff, Ph.D., Professor of Organic and Physiological Chemistry.	Chemistry
Oliver Ralph Overman, A.M., Assistant in Chemistry.	Chemistry
Frederick William Owens, Ph.D., Instructor in Mathematics.	Mathematics
Miles Albion Pond, Ph.B., Assistant Professor of Civil Engineering.	Descriptive Geometry
Paul Russel Pope, Ph.D., Assistant Professor of German.	German
Carlton Elderkin Power, B.S., Instructor in Physics.	Physics
Laurence Pompeily, Ph.D., Assistant Professor of the Romance Languages and Literatures.	French
James T. Quarles, A.A.G.O., University Organist.	Music
Hugh Daniel Reed, Ph.D., Assistant Professor of Neurology and Vertebrate Zoology.	Zoology
Ernest William Rettger, Ph.D., Assistant Professor of Applied Mechanics.	Mechanics
Martin Wight Sampson, M.A., Professor of English.	English
Burton T. Scales, M.A., Director of Music, Girard College, Philadelphia, Pa.	Music
Francis Joseph Seery, B.M.S., Assistant Professor of Civil Engineering.	Hydraulics
Francis Robert Sharpe, Ph.D., Assistant Professor of Mathematics.	Mathematics
John Sandford Shearer, Ph.D., Professor of Physics.	Physics
Henry Augustus Sill, Ph.D., Professor of Ancient History.	History
Louis Lazarus Silverman, Ph.D., Instructor in Mathematics.	Mathematics
Virgil Snyder, Ph.D., Professor of Mathematics.	Mathematics
Ardra Soule, A.B., Teacher of Physical Training, Hingham, Mass.	Physical Education
Stella Stark, Director of Music, State Normal School, Buffalo, N. Y.	Music
John Roscoe Turner, Ph.D., Assistant Professor of Economics.	Economics
Elizabeth Undritz, A.M.	German
Leonard Church Urquhart, C.E., Instructor in Civil Engineering.	Engineering
James Elijah Vanderhoef, Foreman in Foundry.	Manual Training
Peter Andrew van der Meulen, B.Chem., Assistant in Chemistry.	Chemistry
Herbert H. Vaughan, Ph.D., Instructor in Romance Languages, University of Pennsylvania.	Spanish
Oscar Diedrich von Engeln, Ph.D., Assistant Professor of Physical Geography.	Geography
Albert Edward Wells, Assistant Professor of Machine Construction.	Industrial Education
Thomas Whitney Benson Welsh, Ph.D., Instructor in Chemistry.	Chemistry
Harry Elmsley Wood, Director of Manual Training, Indianapolis, Ind.	Industrial Education

William K. Wright, Ph.D., Instructor in Philosophy.
Wesley Daniel Zinnecker, Ph.D., Instructor in German.

Philosophy
German

The members of the Faculty of the College of Agriculture giving instruction in the Summer Session are listed on page 193.

There are no academic requirements for admission to the Summer Session. Each student must however satisfy the instructor in charge of a course (unless it be elementary) that he is qualified to undertake the work of the course.

Credit toward an undergraduate degree may be obtained only by students regularly registered in one of the colleges of Cornell University. For credit toward the degree A.B., see page 73; for credit toward other undergraduate degrees, see the announcements of the respective courses in the Summer Session.

For the conditions under which graduate work may be pursued during the Summer Session, see page 48.

The tuition for the Summer Session is \$30. Tuition is free to students from New York State if all of their work is in subjects taught in the College of Agriculture; if any of their work is outside of the College of Agriculture, they must pay the regular tuition fee of \$30.

The residential halls for women, the libraries, and the Infirmary are open during the Summer Session.

COURSES OF INSTRUCTION

EDUCATION

- A. Principles of Education. Superintendent BARDWELL. Except Sat., 11. Credit, two hours.
- B. History of Education. Assistant Professor MILLER. Except Sat., 9. Credit, two hours.
- C. Educational Psychology. Professor FRASER. Except Sat., 10. Credit, two hours.
- [D. School Hygiene. Credit, two hours.] Not given in 1915.
- E. Mental and Physical Tests of School Children. Assistant Professor FRASER and Miss DIMMICK. Except Sat., 2-4:30. Credit, two hours.
- F. Elementary Education. Except Sat., 8. Assistant Professor MILLER. Credit, two hours.
- G. School Administration. Except Sat., 9. Superintendent BARDWELL.
- H. Industrial Education. Professors MILLER, KIMBALL, and others. Except Sat., 12. For full statement, see Education below.
- K. Hygiene. Daily at hours to be arranged. Dr. MATZKE.
- L. Physical Education for Women. Miss SUTHERLAND and Miss ROBERTS.
- M. Physical Education—Swimming and Fencing. For this instruction a special charge is made: for swimming, \$10; for fencing, \$5, including outfit. Mr. GELAS.
- N. Rural Education. Nature Study. School Gardens. Agriculture. See page 196.

DEPARTMENT COURSES FOR TEACHERS

I. Education

- 1. Problems of Industrial Education. Except Sat., 12-1. Professors MILLER, KIMBALL, and others.

II. Handwork

- 2. Manual Training for the Lower Grades. Except Sat., 2-4. Mr. WOOD.
- 3. Wood Work for the Elementary Schools. Daily, 8-11. Mr. HOOPER.
- 4. Wood Work for Secondary Schools. Except Sat., 2-5. Mr. HOOPER.
- 5. Shop Lectures and Conferences. T Th, 4-5. Mr. WOOD.
- 6. Foundry Work for Secondary and Trade Schools. Mr. VANDERHOEF.
- 7. Forging for Secondary and Trade Schools.
- 8. Machine Work for Secondary and Trade Schools. Mr. WELLS and Mr. HOWE.

III. Drawing and Art Training

- 9. Freehand Drawing for Elementary and Secondary Schools. Except Sat., 9-12. Credit, two hours. Mr. GRIFFITH and Miss HOOVER.
- 9a. Design, Fine and Applied Art. Except Sat., 8-11. Credit, two hours. Mr. GRIFFITH and Miss HOOVER.
- 10. Mechanical Drawing for Secondary Schools. Assistant Professor HAM.

PSYCHOLOGY

- A. Introduction to Psychology. Credit, two hours. Except Sat., 9. Dr. FOSTER.
- B. The Psychology of Memory and Learning. Credit, one hour. T Th, 11. Dr. FOSTER.
- C. The Psychology of the Abnormal Mind. Credit, one hour. M W F, 11. Dr. BORING.
- D. Introductory Laboratory Course. Credit, two hours. M W F, 2.00-4.30. Drs. FOSTER, BORING, and Mr. DIMMICK.
- E. Advanced Work in Psychology. Drs. FOSTER and BORING.

PHILOSOPHY

- A. History of Modern Philosophy. Except Sat., 9. Credit, two hours. Dr. WRIGHT.
- B. Philosophy and Psychology of Religion. Except Sat., 12. Credit, two hours. Dr. WRIGHT.

ENGLISH

- A. Composition. Except Sat., 9. Credit, two hours. Mr. BALDWIN. This course and course B (see below) will together be considered the equivalent of the first term of course 1 in the regular University year.
 - B. Introductory Course in Literature. Except Sat., 10. Credit, two hours. Dr. BROUGH-
TON.
- This course and course A (see above) will together be considered the equivalent of the first term of course 1 in the regular University year.

- C. **Teacher's Course.** Except Sat., 9. Credit, two hours. Dr. BAILEY.
- D. **Modern English Grammar.** M W F, 8. Credit, one hour. Dr. BAILEY.
- E. **Nineteenth Century Poets.** Except Sat., 12. Credit, two hours. Dr. BROUGHTON.
- F. **Shakespeare.** Except Sat., 8. Credit, two hours. Mr. BALDWIN.
- G. **Advanced Composition.** Except Sat., 9. Credit, two hours. Dr. GILBERT.
- H. **Milton.** Except Sat., 12. Credit, two hours. Dr. GILBERT.
- J. **Victorian Poets.** Except Sat., 11. Credit, two hours. Dr. BAILEY.
- K. **Poetry.** Except Sat., 10. Credit, two hours. Professor SAMPSON.
- L. **Modern Drama.** Except Sat., 11. Credit, two hours. Professor SAMPSON.

PUBLIC SPEAKING—ORAL ENGLISH

- A. **Public Speaking.** Except Sat., 11. Credit, two hours. Mr. DRUMMOND.
- B. **Voice Training.** Except Sat., 8. Credit, one or two hours. Assistant Professor MUCHMORE.
- D. **Oral Reading.** Except Sat., 10. Credit, two hours. Assistant Professor MUCHMORE.
- E. **Dramatics.** M W F, 9. Credit, one hour. Mr. DRUMMOND.

FRENCH

- A. **First Year French.** Except Sat., 8 and 12. Professor MASON. Credit, four hours. Entrance credit, one unit.
- B. **Second Year French.** Except Sat., 8 and 12. Assistant Professor PUMPELLY. Credit, four hours. Entrance credit, one unit.
- C. **Third Year French.** Daily, 8 and 12. Professor GIROUD. Credit, five hours. Entrance credit, one unit.
- D. **The Novel in French Literature from 1850 to 1900.** M W F, 9. Professor MASON. Credit, one hour.
- E. **An Introduction to French Philology.** M W F, 11. Assistant Professor PUMPELLY. Credit, one hour.
- F. **Moliere.** T Th, 11. Credit, one hour. Professor GIROUD.
- G. **Portuguese.** Given if five or more register for the course.

SPANISH

- A. **First Year Spanish.** Daily, 8 and 12, and three additional hours a week. Assistant Professor KENISTON. Credit, six hours. Entrance credit, two units.
- B. **Second Year Spanish.** Except Sat., 9. Credit, two hours. Dr. VAUGHAN.
- C. **Training Course for Teachers.** Except Sat., 10. Credit, two hours. Dr. VAUGHAN.
- D. **Spanish Literature.** For students who have had course B. Dr. VAUGHAN.

GERMAN

- A. **First Year German.** Except Sat., 8 and 12. Assistant Professor POPE. Credit, four hours. Entrance credit, one unit.
- B. **Second Year German.** Credit, four hours. Entrance credit, the second unit in German. Except Sat., 8 and 12. Dr. BUSCHEK.
- C. **Third Year German.** Daily, 8 and 12. Dr. ZINNECKER. University credit, five hours. Entrance credit, the third unit in German.
- [**Advanced Course in Modern German Grammar.** Assistant Professor BOESCHE. Credit, two hours.] Not given in 1915.
- D. **History of the German Language.** Except Sat., 11. Assistant Professor BOESCHE. Credit, two hours.
- E. **Advanced Composition and Conversation.** Except Sat., 8. Assistant Professor DAVIDSEN. Credit, two hours.
- [**Studies in the Style and Technique of the Nineteenth Century Prose Writers.** Except Sat., 10. Assistant Professor DAVIDSEN.] Not given in 1915.
- [**Comparative Studies in the German Drama.** Assistant Professor DAVIDSEN.] Not given in 1915.
- F. **Hebbel and Ibsen.** Except Sat., 9. Assistant Professor DAVIDSEN.] Credit, two or three hours.
- [**Life and Works of Goethe.**] Not given in 1915.
- G. **Life and Works of Schiller.** Except Sat., 10. Assistant Professor BOESCHE. Credit two hours.
- H. **Training Course for Teachers.** Except Sat., 10. Dr. BUSCHEK. Credit, two or three hours.
- J. **Richard Wagner.** Sat., 9-10; 10-11. Assistant Professor POPE. Credit, one hour.

GREEK

- A. The Greek Language. Except Sat., 8. Credit, two hours. Professor BRISTOL.
 B. Lyric Poetry. Except Sat., 9. Credit, two hours. Professor BRISTOL.

LATIN

- A. Lectures on Latin Syntax. M W F, 10. Credit, one hour. Professor DURHAM.
 B. Latin Conversation and Oral Composition. T Th, 10. Credit, one hour. Professor DURHAM.
 C. Lyric and Elegiac Poetry: Catullus and Horace. Qualified students may begin or may continue their work in candidacy for the degree of Master of Arts. Professor DURHAM.

INTRODUCTORY LECTURES ON THE SCIENCE OF LANGUAGE

A course of twenty-one lectures given by professors in the Departments of Greek, Latin, German, French, and English. Credit, one hour.

1. Introductory Lecture. Professor BRISTOL.
- 2-3. The Indo-European Family of Languages. Professor DURHAM.
- 4-9. The Principles of Phonetics. Professor DAVIDSEN.
10. Analogy. Professor DURHAM.
- 11-12. Semantics. Professor BOESCHE.
13. Phonetic Laws. Professor DURHAM.
- 14-15. The Germanic Group of the Indo-European Family. Professor BOESCHE.
- 16-17. Latin and Vulgar Latin. Professor DURHAM.
- 18-19. A Brief Sketch of the English Language. Professor ———.
- 20-21. A Brief Sketch of the French Language. Professor PUMPELLE.

HISTORY AND GOVERNMENT

- A. American Government and Politics. Except Sat., 8. Credit, two hours. Professor BRETZ.
 [American History, 1787-1850. Professor BRETZ.] Not given in 1915.
 B. American History. The Period of Civil War and Reconstruction, 1850-1875. Except Sat., 10. Credit, two hours. Professor BRETZ.
 D. Greek and Roman History. Except Sat., 9. Credit, two hours. Professor SILL.
 E. English History to 1485. Except Sat., 11. Credit, two hours. Professor LUNT.
 [English History. 1485-1914.] Not given in 1915.
 F. Medieval History. Except Sat., 10. Credit, two hours. Professor LUNT.
 G. European History since 1814. Except Sat., 12. Credit, two hours. Professor SILL.

ECONOMICS AND SOCIAL PROBLEMS

- A. Principles of Economics. Except Sat., 11. Credit, two hours. Assistant Professor TURNER.
 B. Economic Problems. Except Sat., 8. Credit, two hours. Assistant Professor BLAKEY.
 C. Corporation Finance and the Trust Problem. Except Sat., 10. Credit, two hours. Assistant Professor TURNER.
 D. American Social Problems. Except Sat., 9. Credit, two hours. Assistant Professor BLAKEY.

MUSIC

Preparatory year courses are designated A. First year courses are designated B. Second year courses are designated C. Third year courses are designated D. Advanced courses are designated E.

- Sight Reading—A. Daily exc. S. Miss BARTHOLOMEW, Miss STARK.
 Sight Reading—B. Daily exc. S. Mr. SCALES, Professor HOERRNER.
 Material and Sight Reading—C. Credit, one hour. Daily exc. S. Mr. SCALES, Professor HOERRNER.
 Dictation—A. Daily exc. S. Miss BARTHOLOMEW, Miss STARK.
 Dictation—B. Credit, two hours. Daily exc. F and S. Mr. BUTTERFIELD.
 Dictation—C. Credit, two hours. Daily exc. S. Mr. BUTTERFIELD.
 Material and Methods—B. Credit, one hour. Daily exc. S. Miss BRYANT.
 Methods—C. Credit, two hours. Daily exc. S. Professor DANN.
 Methods—D. Credit, two hours. Daily exc. S. Professor DANN.
 Rudiments of Music—A. M T W Th, Mr. SCALES.
 Melody—B. Credit, two hours. Daily exc. S. Mr. COGSWELL, Mr. JOHNSTONE.

- Melody—C.** Credit, two hours. Daily exc. S., 11:15. Mr. JOHNSTONE.
Melody and Harmony—D. Credit, two hours. M T W Th, Mr. JOHNSTONE.
High and Normal School Music and Conducting—D. Credit, one hour. Daily exc. S. Professor HOERRNER, Mr. COGSWELL.
Practice Teaching—D. Credit, one hour. Daily exc. S. Miss BRYANT.
History and Current Events. D.
Chorus. Daily exc. S. Professor DANN.
Vocal Training—E. Mr. HALL. Daily exc. S. (July 12 to July 24.)
Musical Composition—E. Credit, one hour. M W F., Mr. JOHNSTONE.
Musical Appreciation—E. Credit, one hour. T Th, Mr. JOHNSTONE.
Orchestral Technic—E. Credit, two hours. M T W Th, Mr. COGSWELL.
Physical Education—1. Daily exc. S. Miss MERRILL, Miss SOULE.
Physical Education—2. Daily exc. S. Miss MERRILL, Miss SOULE.

MATHEMATICS

Courses A, B and C are equivalent to the advanced entrance requirements of Cornell University. Credit, three hours each.

- A. **Advanced Algebra.** Daily, 9. Assistant Professor CARVER.
 B. **Solid Geometry.** Daily, 10. Professor SNYDER.
 C. **Trigonometry.** Daily, 8. Dr. SILVERMAN.
 D. **Calculus.** Daily, 9. Credit, three hours. Assistant Professor CARVER.
 E. **Analytic Geometry and the Calculus.** Credit six hours. Daily, 8 and 11. Dr. CRAIG.
 F. **Analytic Geometry and the Calculus.** Credit, six hours. Daily, 8 and 11. Assistant Professor SHARPE, Drs. OWENS and BURGESS.
 [G. **Projective Geometry.**] Not given in 1915.
 G 2. **Plane Algebraic Curves.** Daily, 9. Credit, three hours. Professor SNYDER.
 H. **Analysis.** Daily, 11. Credit, three hours. Assistant Professor HURWITZ.
 K 1. **Teachers' Course. Elementary, Intermediate and Advanced Algebra.** Daily except Sat., 8. Credit, two hours. Dr. MCKELVEY.
 K 2. **Plane and Solid Geometry.** Daily exc. S, 10. Credit, two hours. Dr. MCKELVEY.

PHYSICS

2. **Lectures with Experiments and Recitations.** Daily, 8. Credit, five hours. Professors SHEARER and GIBBS.
 3. **Problems.** Credit, six hours. Assistant Professor GIBBS.
 7. **Required Recitations for Civil Engineers.** Daily exc. S, 8. Credit, three hours.
 8. **Recitations in General Physics.** Credit, two hours. Prerequisite, either Physics 2 and 3, or 2 and 10, and Mathematics 5. Except Sat., 9.
 9. **Recitations in General Physics.** Continuation of Course 8. Except Sat., 8. Mr. POWER.
 10. **Physical Laboratory.** One to five three-hour periods a week. Assistant Professor BLAKER and Mr. POWER. Credit, one to three hours.
 14. **Physical Experiments.** Credit from one to four hours. Prerequisite courses 2 and 9, or 2 and three hours of 10. One to five three-hour periods a week. Assistant Professors BLAKER and Mr. POWER.
 25. **Advanced Laboratory Practice.** Directed by members of the staff in each special field.
 44. **X-Ray Laboratory.** Hours by appointment. Professor SHEARER.

CHEMISTRY

The courses announced below correspond as follows to regular University courses: A to course 1; B to part of 48; C and E to 6; C and D to 7; E (with part of F) to 12; F to 14; FF to 16; G to 17; H to 19; I to 20; J and L to 30; three hours of J and one hour of L to 32; K and M to 31; N to 37; O to 34; R to 65; S to 66; T to part of 69.

- A. **Introductory Inorganic Chemistry.** a. Lectures except Sat., 12. Professor BROWNE and Mr. MCCOY. b. Laboratory work, Dr. WELSH and Mr. OVERMAN. c. Recitations. T Th F, 8. Dr. WELSH. Credit, six hours.
 B. **Selected Topics in Advanced Inorganic Chemistry.** M W F, 10. Credit, one hour. Dr. WELSH.
 C. **Qualitative Analysis.** Lectures, M W F, 11. Dr. LEMON. Laboratory, except Sat. Dr. LEMON and Mr. ELLEY. Credit, three hours.
 D. **Qualitative Analysis.** Lectures and recitations, T Th, 8. Dr. LEMON. Laboratory work. Dr. LEMON and Mr. ELLEY. Credit, one, two, or three hours.
 E. **Quantitative Analysis.** Elementary. Lectures, T Th, 11. Laboratory, M W F, 8-11. Credit, two hours. Assistant Professor LUNDELL and Mr. COOLEY.

F. Quantitative Analysis. Advanced. Credit, one, two, three or four hours. Assistant Professor LUNDELL and Mr. COOLEY.

FF. Electrochemical Analysis. Laboratory and practice hours to be arranged. Assistant Professor LUNDELL and Mr. COOLEY.

[G. Optiochemical Methods. Lectures, except S., 12, and laboratory practice. Credit, three hours. Assistant Professor ANDERSON and Mr. ENGELDER.] Not given in 1915.

H. Qualitative and Quantitative Gas Analysis. Lectures. Credit, two hours. Assistant Professor ANDERSON.

I. Technical Gas Analysis. Credit, two hours. Assistant Professor ANDERSON and Mr. ENGELDER.

J. Organic Chemistry. Lectures and recitations, except Sat., 8, and laboratory practice. Credit, three to six hours. Professor ORNDORFF, Mr. MAHOOD, and Mr. VAN DER MEULEN.

K. Organic Chemistry. Lectures and recitations of course J. Credit, three hours. Professor ORNDORFF and Mr. VAN DER MEULEN.

L. Organic Chemistry. Lectures and recitations, except Sat., 10, and laboratory practice. Credit, one to six hours. Mr. MAHOOD and Mr. VAN DER MEULEN.

M. Organic Chemistry. Lectures and recitations of course L. Credit, three hours. Mr. MAHOOD and Mr. KENNEDY.

N. Methods of Organic Analysis. Credit, two or more hours. Professor ORNDORFF and Mr. MAHOOD.

O. Advanced Organic Chemistry. Laboratory, credit two or more hours. Professor ORNDORFF, Mr. MAHOOD and Mr. VAN DER MEULEN.

R. Microchemical Methods. Credit, two hours. Professor CHAMOT.

S. Microchemical Analysis. Elementary course. Credit, three hours. Professor CHAMOT.

T. Elementary Sanitary Chemistry. Lectures, recitations, and laboratory practice. Credit, five hours.

Z. [Teachers' Course. Lectures and conferences.] Not given in 1915.

GEOGRAPHY AND GEOLOGY

Illustrated Lectures. Several illustrated lectures on geographical or geological subjects of popular interest.

Round Table Conferences in Geography and Geology. Professor CARNEY.

A. Physical Geography. M T W Th, 9. Assistant Professor VON ENGELN. Credit, two hours.

B. Industrial Geography. M T W Th, 8. Professor CARNEY. Credit, two hours.

C. Geography of North America. M T W Th, 10. Assistant Professor VON ENGELN. Credit, two hours.

D. Teacher's Course in Geography. M T Th, 11. Professor CARNEY. Credit, one hour.

E. Geology. M T W Th, 11. Mr. MONNETT. Credit, two hours.

F. Minerals and Rocks. Lectures T Th, 10, and laboratory practice. Mr. HOOK. Credit, two hours.

H. Physical Geography, Laboratory Course. Laboratory fee, \$1.00. T Th, 2-4. Mr. ELSTON. Credit, one hour.

I. Geology, Laboratory Course. Laboratory fee, \$1.00. T Th, 2-4. Mr. MONNETT. Credit, one hour.

J. Geography and Geology, Field Course. A series of eleven excursions under the direction of Assistant Professor VON ENGELN and other members of the staff.

ZOOLOGY

A. General Zoology. Lectures, except Sat., 9, and five laboratory periods. Laboratory fee, \$5.00. Credit, five hours. Assistant Professor REED, and Mr. DENNEY.

B. Ornithology. Lectures, laboratory, and field work. Credit, three hours. Laboratory fee, \$1.50. Dr. ALLEN.

C. Advanced Work. For qualified students. Assistant Professor REED and Dr. ALLEN.

SHOP WORK AND DRAWING FOR ENGINEERING STUDENTS

A. Mechanical Drawing. For beginners. Assistant Professor HAM.

B. Machine Sketching and Drawing. Professor KIMBALL and Assistant Professor HAM.

C. Descriptive Geometry. Daily, exc. S. The equivalent of the C.E. course 1 of the regular college year. Credit, five hours. Assistant Professor POND.

A. Pattern Making. Mr. HOOPER.

B. Foundry Work. Mr. VANDERHOEF.

C. Forge Work. Mr. HEAD.

D. Machine Work. Mr. WELLS and Mr. BUCK.

Courses A, B, C, and D are equivalent to the corresponding courses of the regular college year.

E. Manual Training. Special courses in the several shops, designed to meet the wants of manual training teachers.

MECHANICS OF ENGINEERING

Courses A and B are the equivalent of Course 20 in the College of Civil Engineering, or of Courses M 5 and M 6 in Sibley College.

A. Mechanics. Credit, five hours. Assistant Professor RETTGER and Mr. CORNELL.

B. Mechanics. Credit, five hours. Assistant Professor RETTGER and Mr. CORNELL.

BRIDGE AND STRUCTURAL ENGINEERING

C. E. 71. Structural Design and Bridge Stresses. Credit, two to four hours. Equivalent to first term of C.E. 71. Messrs. BURROWS and URQUHART.

C.E. 71. Bridge Design. Credit, four hours. Messrs. BURROWS and URQUHART.

C.E. 72. Reinforced Concrete Arch. Credit, three hours. Messrs. BURROWS and URQUHART. May be substituted for Engineering Design, C.E. (91f.)

C.E. 77. Concrete Construction. Credit, three hours. Messrs. BURROWS and URQUHART.

HYDRAULICS

Courses A and B cover the same field as does the regular course, C.E. 23, except that no laboratory demonstration lectures are given.

Course A. Daily except Sat., 12. Assistant Professor SEERY.

Course B. Daily, 8. Assistant Professor SEERY.

STATE COLLEGE OF AGRICULTURE

FACULTY

George Alan Works, B.Ph., M.S.A., in charge of Summer Session in College of Agriculture.

F. E. Andrews, Foreman of Instruction Flocks in Poultry Husbandry. Poultry Husbandry

Elmer Eugene Barker, A.B., Ph.D., Assistant Professor of Plant Breeding. Plant Breeding

Beulah Blackmore, Instructor in Home Economics. Home Economics

H. P. Buchan, Foreman Incubation and Brooding. Poultry Husbandry

Harry Oliver Buckman, M.S.A., Ph.D., Assistant Professor of Soil Technology. Soils

George Walter Cavanaugh, B.S., Professor of Chemistry in its Relations to Agriculture. Chemistry

Thomas Burr Charles, B.S., Assistant in Poultry Husbandry. Poultry Husbandry

Charles Chupp, A.B., Instructor in Plant Pathology. Plant Pathology

Mrs. Anna Botsford Comstock, B.S., Assistant Professor of Nature Study. Nature Study

Ralph Wright Curtis, M.S.A., Assistant Professor of Landscape Art. Landscape Art

Archie Byron Dann, B.S., Instructor in Poultry Husbandry. Poultry Husbandry

Oliver Wesley Dynes, M.S. in Agriculture, Instructor in Farm Crops. Farm Crops

George Charles Embury, Ph.D., Assistant Professor of Aquiculture. Natural History

J. H. Faull, Ph.D., Professor of Botany in University of Toronto. Botany

Ada Fish, Instructor in Home Economics. Home Economics

I. T. Francis, A.B., Assistant in Rural Education. Rural Education

James G. Halpin, B.S., Professor of Poultry Husbandry, University of Wisconsin. Poultry Husbandry

Merritt Wesley Harper, M.S., Professor of Animal Husbandry. Animal Husbandry

L. A. Hausman, B.S., Assistant in Meteorology. Meteorology

Layton S. Hawkins, B.A., Specialist in Agricultural Education, Lecturer in Rural Education.

Mary Henry, B.S., Instructor in Home Economics. Home Economics

C. D. Jarvis, Ph.D., Specialist in Vegetable Gardening from the U. S. Bureau of Education

Vegetable Gardening

D. S. Jennings, B.S., Assistant in Soil Technology. Soil Technology

Oskar Augustus Johannsen, A.M., Ph.D., Professor of General Biology. Biology

Olney Brown Kent, B.S., Instructor in Poultry Husbandry. Poultry Husbandry

Lewis Knudson, B.S.A., Ph.D., Assistant Professor of Botany. Botany

George Nieman Lauman, B.S.A., Professor of Rural Economy. Rural Economy

David Lumsden, Assistant Professor of Floriculture. Floriculture

Lawrence Howlands MacDaniels, A.B., Instructor in Botany. Botany

Albert Russell Mann, B.S.A., Secretary to the College of Agriculture.	
Alice Gertrude McCloskey, A.B., Assistant Professor of Rural Education.	Rural Education
Thomas Joseph McInerney, M.S. in Agriculture, Instructor and Investigator in Dairy Industry.	Dairy Industry
Richard Alan Mordoff, B.S. in Agriculture, Assistant Registrar.	
Winifred Moses, B.S., Instructor in Home Economics.	Home Economics
Earl Long Overholser, M.S.A., Instructor in Pomology.	Pomology
Roland Harrison Patch, B.S., Instructor in Floriculture.	Floriculture
G. W. Peck, Instructor in Pomology.	Pomology
Frank Elmore Rice, A.B., Instructor in Agricultural Chemistry.	Chemistry
James Edward Rice, B.S.A., Professor of Poultry Husbandry.	Poultry Husbandry
Howard Waite Riley, M.E., Professor of Rural Engineering.	Rural Engineering
Flora Rose, B.S., M.A., Professor of Home Economics.	Home Economics
Harold Ellis Ross, M.S.A., Professor of Dairy Industry.	Dairy Industry
Elmer Seth Savage, M.S.A., Ph.D., Professor of Animal Husbandry.	Animal Husbandry
Harold Allen Severy, A.B., A.M., Assistant in Botany.	Botany
Samuel Newton Spring, B.A., M.F., Professor of Forestry.	Forestry
Clark Leonard Thayer, B.Sc., Assistant in Floriculture.	Floriculture
Arthur Lee Thompson, M.S. in Agriculture, Assistant Professor of Farm Management.	Farm Management
Martha Van Rensselaer, A.B., Professor of Home Economics.	Home Economics
H. E. Vick, B.S., Assistant in Biology.	Biology
Frances Vinton, B.A., Instructor in Home Economics.	Home Economics
Charles T. Vorhies, Ph.D., Assistant Professor of Biology.	Biology
Herbert Hice Whetzel, A.B., M.A., Professor of Plant Pathology.	Plant Pathology
Karl McKay Wiegand, Ph.D., Professor of Botany.	Botany
George Alan Works, B.Ph., M.S.A., Professor of Rural Education.	Rural Education

COURSES IN THE COLLEGE OF AGRICULTURE

ANIMAL HUSBANDRY

A. Principles and Practice of Feeding Animals. Daily except S. Credit, two hours. Professor SAVAGE.

B. Principles of Animal Breeding, and Elementary Judging. Credit, three hours. Lectures, daily except S, 9. Laboratory, T Th. Professor HARPER.

BIOLOGY

A. General Biology. Credit, three hours. Lectures, except S, 11, and laboratory and field work. Assistant Professor JOHANNSEN and Mr. VICK. Laboratory fee, \$2.50.

B. Insect Life. Credit, two hours. Lectures and practice. Assistant Professor VORHIES.

H. Aquiculture. Credit, one hour. Lectures, T Th, 9. Assistant Professor EMBODY.

BOTANY

A. Elementary Botany. Credit, three hours. Lectures and laboratory or field work, M W F, 8-1. Professor FAULL and Mr. SEVERY. Laboratory fee, \$2.50.

B. Elementary Morphology of Seed Plants. Credit, one hour. Professor FAULL and Mr. SEVERY. Laboratory fee, \$1.

C. General Plant Physiology. Credit, four hours. Lectures and laboratory. Assistant Professor KNUDSON. Laboratory fee, \$5.

D. Identification, Classification, and Ecology of the Higher Plants. Credit, two hours. Professor WIEGAND and Mr. MCDANIELS. Laboratory fee, \$1.50.

E. Trees and Shrubs. Credit, two hours. Professor WIEGAND and Mr. MCDANIELS. Laboratory fee, \$1.50.

G. Research for Graduate Students. Professor WIEGAND.

H. Identification and Classification of Lichens, Liverworts, Mosses and Ferns. Credit, one hour. Laboratory and Field Work. Professor WIEGAND and assistants.

CHEMISTRY

A. Agricultural Chemistry. Credit, four hours. Prerequisite: Chemistry 1. Lectures daily, 8. Recitations, M W F, 9. Professor CAVANAUGH.

B. Agricultural Chemistry. Credit, two hours. Prerequisite Chemistry 1 and 6. Professor CAVANAUGH and Mr. RICE. A laboratory course designed to accompany course A. Laboratory deposit, \$15.

C. Household Chemistry. Credit, two hours. Prerequisites: Chemistry 1 and 6. Daily except S, 10. Professor CAVANAUGH.

D. Household Chemistry. Credit, three hours. Professor CAVANAUGH and Mr. RICE. A laboratory course designed to accompany course C. Laboratory deposit, \$20.

DAIRY INDUSTRY

A. Milk Composition and Tests. Credit, three hours. Professor ROSS and Mr. MCINERNEY. Equivalent to course 1 of the regular university year. Laboratory deposit, \$3.

B. Dairy Industry. Five periods a week. Credit, two hours. Professor ROSS and MCINERNEY.

FARM CROPS

A. Farm Crops. Credit, three hours. Dr. DYNES. Laboratory fee, \$2.

FARM MANAGEMENT

Farm Management. No credit. Lectures and laboratory. Assistant Professor THOMPSON. Laboratory fee, \$1.

FLORICULTURE

1. Garden Flowers. Credit, one hour. Professor LUMSDEN and Mr. THAYER.

11. Indoor Flower Growing. Credit, one hour. Lectures, M W, 10. Laboratory, S. 8-10:30. Mr. PATCH.

FORESTRY

B. General Forestry. Credit, two hours. Lectures, M T W F, 8. Forestry Building. Field work, F, 2-4:30. Professor SPRING. Laboratory fee, 50 cents.

HOME ECONOMICS

A. Foods. Credit, four hours. Miss VINTON, Miss HENRY, and Miss MOSES. Laboratory fee, \$5.

G. Human Nutrition. Credit, three hours. Professor ROSE and Miss HENRY. Laboratory fee, \$4.

C. Household Management. Credit, two hours. Professor VAN RENSSELAER.

D. Household Sanitation. Credit one hour. Various lecturers.

E. Extension in Home Economics. Credit, three hours. Professor VAN RENSSELAER and others. Laboratory fee, \$1.

F. Sewing. Credit, two hours. Miss BLACKMORE. Laboratory fee, \$2.

H. Home Economics in the Rural Schools. Credit, two hours. Lectures and laboratory. Miss FISH.

LANDSCAPE ART

C. The Arrangement of Home and School Grounds. Credit, one hour. Lectures and laboratory. Assistant Professor CURTIS.

METEOROLOGY

A. Meteorology and Climatology. Credit, one hour. Mr. HAUSMAN.

NATURE STUDY

A. General Nature Study. Credit, two hours. Assistant Professors COMSTOCK and EMBODY.

B. Natural History of the Farm. Credit, one hour. Assistant Professor EMBODY. Laboratory fee, \$1.

H. Seminary in Kindergarten Methods in Nature Study. Professor COMSTOCK.

PLANT BREEDING

A. Principles and Practice of Plant Improvement. Credit, one hour. Assistant Professor BARKER. Laboratory fee, 50 cents.

PLANT PATHOLOGY

A. Plant Pathology. Credit, three hours. Prerequisite: elementary botany, 5 or 6 hours. Professor WHETZEL and Mr. CHUPP. Laboratory fee, \$4.50, plus a breakage deposit of \$2.

B. Identification of Mushrooms and Disease-inducing Fungi. Credit, one hour. Professor WHETZEL. Laboratory fee, \$1.50, plus a breakage deposit of \$2.

POMOLOGY

- A. **General Fruit Growing.** Credit, three hours. Prerequisite: Botany 1. Mr. PECK.
- B. **Small Fruits.** Credit, one hour. Mr. PECK.
- C. **Advanced Pomology.** Credit, one hour. Prerequisites: Botany 1 and Pomology A. Mr. OVERHOLSER.

POULTRY HUSBANDRY

- A. **The Care and Management of Poultry.** Credit, four hours. Professors RICE and HALPIN and Mr. DANN.
- B. **Farm Poultry.** Credit, one hour. Professors RICE and HALPIN and Mr. CHARLES.
- C. **Feeding Practice.** Credit, one hour. Professor RICE and Mr. ANDREWS.
- D. **Incubating Practice.** Credit, one-half hour. Professor RICE and Mr. BUCHAN.
- E. **Brooding Practice.** Credit, one hour. Must be accompanied by A or B. Professor RICE and Mr. BUCHAN.

RURAL ECONOMY

- A. **Economic and Social Status of the Rural Community.** Credit, two hours. Daily exc S. Professor LAUMAN.
- B. **Marketing and Prices.** Credit, two hours. Professor LAUMAN.

RURAL EDUCATION

- B. **Agriculture in the High School.** Credit, three hours. Daily exc. S. Professor WORKS.
- F. **The School.** Credit, two hours. Miss McCLOSKEY.

RURAL ENGINEERING

- C. **Farm Mechanics.** Credit, two hours. Lectures and laboratory. Professor RILEY.

SOIL TECHNOLOGY

- C. **Soils.** Three periods. Credit, one hour. Assistant Professor BUCKMAN.

VEGETABLE GARDENING

- A. **Vegetable Gardening.** Credit, one hour. Mr. WORK. Laboratory fee. \$1.50

THE FORTY-SEVENTH ANNUAL COMMENCEMENT

Wednesday, June 16, 1915

FIRST DEGREES

Bachelors of Arts

Ellen Baxter Armstrong
Elbert Curtiss Baker
Morgan Smiley Baldwin
John Kinnier Ballagh
Marshall Rogers Barbour
James Lackner Barr
Stephen Huntington Belcher
Helen Bennett
Charles Otis Benton
William Berkowitz
Frederick Perley Bills
Robert Spitzer Bishop
Leo Mulford Blancke
Gilbert Randolph Blehdon
Arthur Reed Blessing
Myron Stuyvesant Blumentha
Norman Emanuel Boasberg
Rose Boochever
Wilbur Forman Brown
Regina Brunner
Edna Russell Brush
Robert Chapin Candee
Philip Tillman Carson
Stanley Douglas Chapin
Wilbur Fiske Chapman
James Thomas Chestnut, jr.
Roger Williams Clapp
Ethel May Clark
Oliver R. Clark
Earl Milton Clay
Katherine Walsh Clendinning
Stephen Arnold Cocks
Henry Ernest Conklin
Madge Annie Conwell
Margaret Sheerin Cooney
Clayton Worth Cousens
Teresa Catherine Cox
Lloyd Freeman Craver
George Thomas Culbertson
Ruth Darville
Ruth Margaret DeGroat
Harry Aaron Dicker
Forrest Lee Dimmick
Ruth Laura Dimmick
Yuan Shan Djang
Arthur Dole, jr.
Dorothy Douglass
Will A. Douglass
Arthur William Doyle
Lloyd Benjamin Drake
Fannie Hinchman Dudley
Reginald Harrison Eagles
William Franklin Edgerton
Hugh Caldwell Edmiston, jr.
Percy Oliver Eisenbeis
Thomas Fearn Mastin
William Henry Mayer, jr.
Alice Mary Mehnert
Edward Lewis Miller
Irene Margaret Montgomery
Merl Perrott Moon
Russell York Moore
Henry Woude Morrison
Gertrude Grace Mosier
Edward Gustav Neff
Elsa Clara Neipp

Louis Etshokin
Perry Christopher Euchner
George Bryan Evans, jr.
William Aloysius Fay
Estella Catherine Fisher
Edwin George Flemming
William James Flynn
Eleanor Day Foster
Thomas Morton French
Willetts Walton Gardner
Frank Avery Gerould
Walter Hasbrouck Gill
Irene Amelia Girard
Jacob Milton Goldfarb
Clara Amelia Græffe
Sherman Miller Grant
Samuel William Guggenheim
Henry Gund, jr.
Fremont Mortimer Hammond
Edward M. Hanrahan, jr.
Walcott Brown Hastings
Robert Edward Hendrickson
Walker Hill, jr.
David Jay Hoffert
Leonora Stirling Holsapple
James Richey Horner, jr.
Philip Douglas Houston
Ida May Howard
John Clayton Jaqua
Edmund Leonard Judson, jr.
Isidor Karp
Edmund Thomas Kennedy
Winifred Kirk
William Lambert Kleitz
Kenneth Hanchett Kolpien
Thomas Squier Kraft
Felix Kremp
Isidor Krohn
Grace May Laing
Parker Raymond Lange
Margaretta Lauman
Edward Casper Leib
Ferdinand Christian Lieberknecht
Anna Jean Lochhead
Leon Loewe
Melvin Oliver Lokensgard
Louis A. Love
Donald Cameron McGill
Philip Judson McKee
Olive Anna McNerney
Rosanna McRoberts
William Howard Maguire
Grace Florence Marcus
Bleecker Marquette
Merwin Elliott Marsland
Florence Alma Rosenthal
Samuel Louis Ross
Hermann Roth
Morton Ryder
John Christopher Schelleng
Charles Schlager
Walter Gilbert Seely
Sophie Seipp
Mildred Severance
Robert Heller Shaner
Paul Frederic Shontal

David Jacob Nelson
 Everett Wilbur Newcomb
 Fay Hartmann Newland
 Howard Gledhill Nichols
 Lionel Grenelle Nightingale
 Robert Williamson Nix, jr.
 Layton Louis Northrup
 Arthur Lippincott Obre
 John Emmett O'Brien
 Edward Cummings O'Connell
 Henry Grover O'Connor
 William Martin O'Donnell
 Hazel Grant Ormsbee
 Louise Mary Ormsby
 Emanuel Munich Ostrow
 Harold John Palmer
 Lucy Mary Park
 Charlotte Helen Pekary
 Arthur Cushing Peters
 Walter Polhemus Phillips
 Harold Averill Phoenix
 Alice Ellen Pollard
 Ivan Edmund Post
 Marion Elsie Potts
 Edward Brewster Prindle
 Jules Gabriel Proctor
 Raymond Van Voorhis Puff
 Albert Edward Purchas
 John Arthur Radeloff
 Samuel Rappaport
 Agnes Bogie Rathbun
 George Peters Rea
 Norman Renne
 Richard Joseph Reynolds
 Gilbert Joseph Rich
 William Francis Rienhoff, jr.
 Jay Riffe
 Edgar Heisler Riley
 William Henry Rinkenbach
 Katherine Ida Roese
 Maurice Timothy Root

Joseph Silbert
 Andrew Lenox Smith
 Donald Mennell Smith
 Helen Christina Smith
 Ralph Claude Smith
 William Dudley Smith
 Michael Sophrin
 John Stambaugh, 2d
 William Malcolm Stobbs
 Frederic Frank Stoneman
 Mark Hayne Stratton
 Marian Floyd Sturges
 John Edward Sutton, jr.
 Sit Iu Sz-to
 Russell Story Tarr
 John Vincent Thompson
 Henry Thomas Thurber
 Allen McKinley Thurston
 George Arthur Tingue
 Gerald Peter Tingue
 Margaret Trevor
 Marjorie Idalene Tyson
 Walter Raymond Unangst
 Helen Updegraff
 Virginia Grafft Van Atta
 Henry Wasserman, jr.
 Mildred Watt
 Martha Elizabeth Webb
 Walter Weller
 Joseph Julius Wells
 Nelson Evans Whitaker, 2d
 Alma Wichelns
 Frank John Wiffler
 Olive Reger Wilkinson
 Edward Goodnow Williams
 Francis Edgar Williams
 Sarah Mary Wilson
 Warden McKee Wilson
 Allen Lysander Woodworth
 Samuel Henry Worrell
 Kia-Lok Yen

Bachelors of Chemistry

Arthur Ayling Blue
 Homer Allen Bohall, A.B.
 Westley Saville Burnham, A.B.
 William Edward Dalton
 William Theodore Diefenbach
 Julian Jacob Hast
 Geoffrey Minto James
 Edgar Blauvelt Johnson
 Herman Carlyle Kenny
 Ismond Ellis Knapp
 Joseph Joseph Lax
 Conrad Frederick Nagel, jr., A.B.
 Clarence Netzen

Kenneth Roland Douglass
 David Fishkind
 Mendel Efrath Freudenheim
 Frederick Raymond Georgia
 Truman Hull Griswold, A.B.
 Lewis Chapin Perry, jr.
 William Arthur Schnedeker
 Harvey DeWitt Shannon
 Michael Siegel
 Clare Ray Smith
 John Graham Thompson
 Loyal George Tinkler
 John Arthur Frederic Wendt

Bachelors of Laws

DeForest Williams Abel
 John Henry Alsop, jr.
 Henry Altman, jr.
 Albert Ernest Binks
 Robert Emmett Burke
 John Martin Cashin
 Eldon Francis Colie
 Charles Manning Colyer
 Everett Palmer Corwith
 Frank Cucurullo
 Winslow Ridge Cuthbert
 William Wallace Dodge
 Edward James Flannery
 Louis Yurlic Gaberman
 Charles Sherwood Gilbert
 Morris Goldstein
 Morgan King Harris
 William Howard Hartzberg
 Albert Haskell, jr.
 John Manly Heath

Theodore Adelbert Knapp
 Andrew Edward Krieger
 Samuel Simon Leibowitz
 Gilbert Mintz Levy
 James David McCredie
 Earl Schworm MacNeill
 Robert Meruk
 Clayton Walters Miller
 Thomas Maxwell Miller
 William Moeckel
 Robert Virgil Morse
 Ernest Mosmann
 Donald Bert Munsick
 Meyer Nebenzahl
 Lucile Elizabeth Oliver
 James Gerald O'Malley
 Roy Miller Page
 Percy Wilson Phillips
 Alson W. Pitkin
 Paul Anthony Rieser

Ward Nicholas Hoffman
Francis Relyea Holmes
Walter Milton Horwitz
Robert Addis Hutchinson
George Gifford Inglehart
Sydney Ralph Jandorf
William Manville Johnson

Nathan Arthur Schatz
Nathan Shimkin
Harvey Ray Shinaman
James Barney Stilson
Allah Torres
Lorenzo Hughes Utter
Frederick Weisbrod
Walter George Zorn

Bachelors of Science

George Albert Abeel
Oliver Morley Ainsworth
Leroy Littell Andrews
Lowell LaGrange Andrus
William Arthur Artman
John Henry Bacon
Erford Lynn Banner
Luther Banta
Marjorie Cadiz Barberie
Lucian Clark Bareham
Francis William Barrett
Dorothy Putnam Barstow
Ray Don Baty
Otto Bauer
Bernard Beckerman
Mabel Gertrude Beckley
Hilma Marie Bergholtz
Elwin Groesbeck Chase
I. Edward Chavin
Abraham Chuckrow
Estella Louise Church
Shepard Earll Church
Charles Parsons Clark
Hulet D. Clark
James Bowen Clark
J. Stanley Cobb
Arlyn Wilbur Coffin
Israel Cohan
Charles Alexander Comfort
Helen Louise Comstock
Mabel Clare Copley
Ellison Cornwell
Stanley Coville
John Henry Coyne, jr.
Wesley Irwin Craig
Daniel Phillips Crandall
James Alfred Crawford
William Creifelds, jr.
Roy Palmenter Crocker
Willard McNeil Crosby
Floyd Dudley Dean
Pearle Viola Decker
Floyd Willard DeGolyer
John Richard Dorn
Catherine Dougall
Darwin Warren Dunn
Frances DeMaris Edwards
Robert Davis Edwards
Robert Dean Edwards
William Victor Ellms
Helen N. Estabrook
Franklin Roderick Fielding
Rubin Finkelstein
Richard Fischer
Earl Alvah Flansburgh
Mabel Luella Flumerfelt
Grace Fordyce
Max Forman
Milo Ogden Frank
James Marshall Frayer
Francis Joseph Freda
Stuart Ward Frost
Elmer Byron Fuller
Glenn Loren Fuller
Walter Funk
Frederick William Fürst
Edward Judge Gallogly
Beatrice Giltner
Ethel Giltner

Helen Truman Blewer
Gertrude Louise Blodgett
Aaron Bodansky
Winfield Herman Böhler
Harry Braun
William Peter Brodie
John Hallock Bromley
Homer Jay Brooks
Wendell Wheeler Brown
Thomas Vincent Bryant
James Peter Bull
Eugene Butler
Willard Wilcox Butts
Frank William Cady, jr.
Merton Scott Carleton
Jesse Mark Chamberlain
Thomas Burr Charles
Edwin Charles Heinsohn
Louis Hertz
Gustave Frederick Heuser
Willard Dimock Hill
Herbert Henry Hilmer
Ross Locke Hoag
Alfred Thomas Hobson
Eva Irene Hollister
John DuBois Holmes
Edwin Fraser Hopkins
Anna Frances Horton
Christian Thompson Houck
William Limbuy Houck
Kenneth White Hume
Joseph Hurley
Colson Beyea Hutchinson
Howard Campbell Jackson
Sara Townley Jackson
Chester Phillips Johnson
Marshall Liston Johnson
Frederick Kalfur
Harold Carlyle Kellern
Dean Ward Kelsey
Albert Scott Kenerson
Fred William King
Balthaser Joseph Koch
Bruce Pickett Kocher
John Kruesi
Norma Vernie LaBarre
Austin Leroy Legge
Howard Lynch
Morgan Beebe McCargo
Austin Joseph McConnell
Gerald Robert McDermott
Hugh Irwin Macomber
Thomas Patrick Maloy
Wilber Alan Mathews
George Gordon Mead
Albert Bloxom Mehaffey
Samuel Arthur Merrifield
Robert Dietz Merrill
Frederic Hartwell Millen
Zila Erenah Mills
Warren Earl Monson
Alexander Salisbury Montague
Frances Jane Montrose
Henry Carleton Moore
Nelson Doolittle Morrow
Daniel Parmelee Morse, jr.
Harry Clarence Morse
Winifred Moses
Samuel Moskowitz

Carl Robinson Gleason
 Arthur Middleton Grimes
 Cecil Robert Gross
 Isaac Fults Hall
 Willard Johnson Hall
 Miles Bertine Haman
 Duane Spencer Hatch
 Anna Elizabeth Hayes
 Charles Benedict Heartfield
 Roy Olney
 Jacob Perla
 Ethel Lowerre Phelps
 George Robinson Phipps
 Everett Andrew Piester
 Ray Ford Pollard
 Louise May Post
 Paul Milton Potter
 Benjamin Gildersleeve Pratt, jr.
 John Scott Boyd Pratt, jr.
 Elon Henry Priess
 Ashwell James Quarles
 Charles Harry Reader
 Victor Heinrich Ries
 Emma Zenana Robinson
 Alan Newton Rogers
 Leon Judah Rosenthal
 Abraham Rosmarin
 Henry Theodore Ruckaberle
 Harold Kirk Rulison
 Howard Peter Ryan
 Harry Lovell Saunders
 Marx Hare Schonour
 Paul Berwig Schumm
 Bertram Henry Schwartz
 Myron Serby
 Wilfrid Andrew Seubert
 Mina Electa Shepard
 John Rogers Sherman
 Horace Austin Shoemaker
 Henrietta Claudia Shulman
 Ray Grant Sierk
 Alice Tuckerman Snow
 George Adam Spamer
 Arvine Martin Spencer
 Milton Robert Spransy

Daniel Francis Mulcahy
 Abraham Aladar Mulhoffer
 Roger William Munch
 George Wallace Musgrave
 Winifred Edna Nash
 Herbert Lee Nearing
 George Lawrence Nicholas, jr.
 David Reeves Noland, jr.
 Frederick William Ohm
 Frank Marcellus Staley
 Harold Malcolm Stanley
 Charles Fassett Stansbury
 Benjamin Harrison Stasch
 Lawrence John Steele
 Philip Horace Stevens
 Thomas Gregory Stitts
 Samuel Edwin Stone
 Harold Magnus Strand
 Frederick Fleming Sullivan
 Erwin Fred Sweetapple
 Kenneth Arthur Tapscott
 Henry Harrison Taylor
 Mary Louise Thatcher
 Armand Rhodes Tibbitts
 Harold Josiah Tillson
 Robert Bostwick Titus
 Andrew David Travis
 Olive Natalie Tuttle
 Theodore Ward Vann
 Elton Ray Wagner
 Lura Marie Ware
 Irving Studley Warner
 John Percy Watson
 Eugene Francis Webber
 Seth Truman Wheat
 Pascal Kidder Whelpton
 Robert Whitman White
 Vedder White
 Martha Alice Whitworth
 Arthur Watson Wilson
 John George Wilson
 Bertha Hunt Wood
 Leland A. Wood
 Anna Minerva Woodward
 Wiborn Harrison Wright
 Charles Earl Young

Doctors of Veterinary Medicine

James Henry Allen
 Alfred Thomas Bæszler
 Volney Minnot Becker
 Harry Peter Bonnikson
 Charles Ralph Boshart
 Albert Lyle Brown
 Lloyd Rufus Cornwell
 Joseph Fenton Crosby
 Lester Pierce Crowe
 Leland Grant Dassance
 Roscoe Erle Davis
 Adolf Otto Franke
 Raymond Augustus Halsey
 David Morris Hoyt
 John Floyd Jansen
 Orrin Pritchard Jones

Charles John Krowl
 Herbert Richard Mook
 John Herbert Moore
 Peter Theodore Peterson
 John Joseph Regan
 Stephen P. Regan
 Samuel Albert Schneidman
 James Fremont Shigley
 Leo Carmi Sierk
 Reuben Elijah Smith
 Roy Henry Spaulding
 William Wesley Trowbridge
 Harold Clark Vestal
 Carl Sperry Webster
 Louis Carlton Webster
 Walter Wilkinson Williams

Bachelors of Architecture

Javier Segundo Adrianzen
 Raymond Whitney Barnes
 Robert Henry Sage Booth
 Hilding Gustav Brelin
 Carlos Manuel Castillo
 Frank Halbert Day
 Alexander Chadbourne Eschweiler, jr.
 Frank Greenstein
 Bradford Hardie, jr.
 Carl Henry Horn
 Gerald Lynton Kaufman
 Raymond McCormic Kennedy
 Slocum Kingsbury
 Henry Stern Kirchberger

Wolfe Marcovitch
 Herman William Nolker
 Max Arthur Reutershan
 Ralph Potter Ripley
 Charles Edward Ruhe
 William Schultheis
 Thomas Ritchey Scureman
 Harold Reeve Sleeper
 Henry Augustus Tilden
 Eli Melvin Tisdale
 William Clarence Uhri, jr.
 Hans Vietor
 Austin Hubbard Welch
 Howard Clarke Wellman

Civil Engineers

Charles Robert Adelson
 Edwin Stuart Baker
 Edward Arthur Batley
 Charles Henry Bechel
 Carl Theodore Beckmann
 Peter Edward Bermel
 Leo Blog
 Domingos Gadelha Borges
 Israel Brimberg
 John Arthur Buck, jr.
 Alvin Garcia Cadiz
 Fernando de la Cantera
 Matthew Laurence Carey
 Frank Pool Cartwright
 William Donald Clark
 Paul Cohen
 Walter Joseph Collet
 Carl Conrad Cooman
 Clinton Litchfield Corbet
 William James Culbertson
 Thomas Fullagar Danforth
 Percy Nurse Daniels
 Errol Weber Dœbler
 Hezekiah Shailer Dow
 Llewellyn Harrison Edwards
 William Henry Evans
 Elliott Augustus Finkelnburg
 Frank Fitzpatrick
 Clarence Edgar Forster
 Robert Louis Glose
 Harry Lyman Goodwin
 William Grafman
 John Reynolds Grime
 Porter Valentine Hanf
 John Edwin Harn
 Gerald Francis Healy
 George Means Heinitch
 Frederick Ernest Hertel
 Seth Gerson Hess
 Henry Franklin Holloway, jr.
 Raymond Haslam Hoyt
 J. Ceylon Jackson

Charles Lahr
 Waan Wai Lau
 Isador William Lavine
 Henry Gardner Lehrbach
 Henry DeWitt Lott
 Alfred Lester Marks
 Ralph Richardson Marrian
 Charles Alexander Mengers
 David Nelson Milhan
 Allen Clark Minnix
 Walter Farnandis Munnikhuisen
 Walter Edward Nussbaum
 Arthur Sherman Patrick
 John Edward Pennywitt
 Nelson Secor Perkins
 Louis Pesant
 Walter Adolph Priester
 Charles Fredrick Radford
 Frederick Harvey Rayfield
 Arthur Albert Raymond
 Herbert Ridgway
 Isaac Russell Riker
 Melville Wilson Robinson
 James Roy Rosenfeld
 Samuel Rosenzweig
 Gordon Arthur Sarstedt
 Erich Ernest Frederick Schmied
 Joseph Michael Sexton
 Charles Spielman
 Charles Frederick Starr
 Martin Steljes
 Morris Stone
 Thomas Merceron Stuart
 George Washington Supplee
 Albert Mordecai Taylor
 Edward Jussley Thomas
 Everett Mohlar Vincent
 Charles Beale Watkins
 Alan Frank Williams
 Howard Barton Wright
 Oscar Ernst Frederick Zabel
 José Antonio Zambrana

Mechanical Engineers

Antonio Bernabe Aguilera
 Gilbert Valentine Anderson
 William Cook Andræ
 Donald Arbuckle
 Walter Kittera Ashmead
 Webster Noyes Baker
 John McKnight Ballou
 Wilbur James Barnes
 Robert Bartholomew
 Alexander Mitchell Beebee
 Stewart Benedict
 Charles Bigelow Bennett
 Lucien Halsey Benster
 Hugh Young Blodget
 Alfred L. Bøgehold
 Albert Alvin Booth
 Miguel Bracho
 John Willard Braffette
 Raymond Sinclair Brainerd
 Walter Abbott Brown
 Roland Allen Bush
 Paul Mitchell Buzby
 John Campbell Chadwick
 Harry Alexander Chapin
 Cyril Tyler Chapman
 John James Chew, 2d
 Harold Howard Clark
 Harry Elmore Cobb
 Adlai Stevenson Coble
 Ira Earl Cole
 Frederick Arthur Collins
 William Curtis Collyer
 Joseph Ansel Cook
 Eugene Willard Kline Cornwell

Lloyd Seabon Frazer
 Jacob Ruth Fry
 William Jacob Gentzler
 Robert William Graham
 John Orne Green
 Edward Rawson Guyer
 Percy Foster Halsey
 Louis Tucker Hamblin
 Edward Haynes
 Eliot Huntington Harris
 George Hendricks
 James Franklin Hendricks
 Edwin Charles Henn
 Edward Albert Hill
 Arthur Hildebrandt
 Henry Follet Hodgkins
 Wray Bowman Hoffman
 Alfred Glenn Homan
 Charles Pitcher Hubbard
 Ferdinand George Hummel
 Howard Herberton Ingersoll
 Roy Williams Jones
 Clarence Truman Keet
 Clifford Henry Keller
 Winthrop Kent
 Duncan Macmillan Kerr
 Alexander Henderson King
 James Elwell Kittrell
 Ralph Knapp
 David Glenn Karmar
 William Eugene Krieg
 Robert Louis Krouse
 Emmerich David Lamb
 Sidney Harold Lang

William Hugh Cosgrove
 Wayne Weeks Cowan
 Thomas Robinson Craig
 Clifford Broderick Cronan
 Rudolph Lüttgen Cullum
 Harold Chester Cundall
 Secor Cunningham, jr.
 Paul Newman Darrington
 Allan Irvine Davis
 John Ransford Davis
 Alfred China De Lorme
 Frank Gray Dennison
 Andrew Chambers Denny
 Donald Hicks Dew
 Stanley Dewsnap
 George Wright Dorrance
 Hamilton Borden Downe
 Perry Townley Egbert
 Howard Clarence Einstein
 Paul Fenton
 Ernest Mercer Fernald
 George Anthony Fleckenstein
 Harold Wheelock Fletcher
 Theodore Ferguson Fowler
 Robert Mochrie
 Charles Grover Morgan
 Adolph Moses
 Allen Mulford
 George August Neubauer
 William Talman Newell
 John Dundy Newman
 John Hugo Newman
 Harold Scott Norris
 Leonard Ochtman, jr.
 Ernesto Ornelas
 Parvin Elwood Paules
 George Martin Pearsall
 Harold Charles Perkins
 Laurence Merton Perkins
 Oscar Gideon Petterson
 Carl August Philippi
 Victor Bourn Phillips
 William Walton Pickslay
 Thomas Broun Powers
 Asa Robert Purdy
 Gustav Alexander Rasch
 Walter Raymond Read
 Charles G. Rebman
 Louis du Bois Rees
 Dan Cleveland Reib
 Walter Bellinger Reich
 Francis John Robbins
 Rodrigo Bennett Rodriguez
 John Mulhall Rogers
 George Casper Ruby
 Parvin Masters Russell
 Earl Raymond Ryder
 Robert Sutton Saalfeld

James Francis Lardner, jr.
 Robert Columbus Latz
 Edward George Lautz
 Frank Walton Lee
 Frank David Lindquist
 Richard Sanborn Luce
 Celso Lopez
 Richard Sanborn Luce
 Kenneth Charles McCutcheon
 William Percy McKinney
 John Alvan MacLay
 Christopher Magee
 Harold Lay Mallery
 Henry Reed Mallory
 Francis Dalton Martin
 Frank Martindell
 John Jamieson Matson
 Alfred Blake Maury
 Karl Herman Mayer
 Albert Ackley Maynard
 Walter Landon Maxon
 Bernard Meyering
 Hilary Herbert Micou
 Alonzo Loring Milton
 Max John Lacy Schulte
 Philip Lane Scott
 Herbert Medill Sharp
 Horace Wright Shaw
 Sylvester Edward Shaw
 John Condict Smaltz
 Bernard Smith
 Edward Goodman Sperry
 Lucien Hamer Staley
 Donald Tennyson Stanton
 Walter Hervey Stocking
 Norman Stewart Stone
 Henry Mendinhall Taylor, jr.
 William Arnold Taylor
 George Gilson Terriberry
 Norman Nevil Tilley
 Edgar Bronson Tolman, jr.
 Walter McEwan Tomkins
 William Wood Turner
 Harold Houston Van Kennen
 Richard Mears Van Valkenburgh
 Harold Bertram Viedt
 Wilson Laing Warfield
 Arthur Caldwell Watkins
 Austin Walker West
 Fred Harold Wiley
 Clarence Giles Winslow
 Philip Wood
 William Tillman Woodrow
 Douglass Berry Wright
 Frederick Miller Wright
 Shu Zek Yang
 Hugh Wallace Young
 Thomas Sloan Young, jr.

ADVANCED DEGREES

Masters of Arts

Christine Alexander, A.B.: A Study of the Sixth Book of Homer's Iliad.
 Nai Kim Bee, B.Chem.: P. T. X. Diagrams of the Systems of Ammonia, Lithium Sulphate; Ammonia, Silver Sulphate; and Ammonia, Potassium Iodide.
 Ray Preston Bowen, A.B.: Gustave Flaubert's Style in *La Légende de Saint Julien L' Hospitalier*.
 Chester Claremont Camp, A.B.: On Linear Ordinary Differential Equations.
 Mildred Clark, A.B.: Marriage and Troth-Plight in Elizabethan Drama.
 Lynwood Gifford Downs, A.B.: Nietzschean Ideas in Modern German Literature.
 Daniel Sheets Dye, B.S.: The Decay of Phosphorescence in Willemite as Related to Temperature.
 Fae Farnum, B.S.: Cavalier Perspective and Orthogonal Axonometry.
 Gladys May Frary, A.B.: The Ascending Fiber Tracts in the Spinal Cord of the Domestic Fowl. (*Gallus gallus*).
 Ludlow Griscom, A.B.: The Identification of the Commoner Anatidae of the Eastern United States in the Field.
 Ruby Beatrice Hughes, A.B. A Study in the Local and Seasonal Distribution of Insects with the Aid of Tent-Traps.

- Charles Albert Kuchler, A.B.: The Language and Style of Gottfried Keller's Züricher Novellen, Sinnegedicht, and Sieben Legenden.
 Lucile Marshall, A. B.: Women's Work in Horticulture.
 George Burgess Newman, A.B.: The Relationship of the Larval and Imaginal Mouth-parts of the Higher Hymenoptera.
 Lewette Beauchamp Pollock, A.B.: Selected Translations from August Böckh's Encyclopädie.
 Gilbert Joseph Rich, A.B.: The Differential Limens of the Volume of Pure Tones.
 Stephen Gottheil Rich, B.S.: Comparative Anatomy of the Gill Chamber of Nymphs of Anisoptera.
 John Winans Roe, A.B.: The Paso in the Sixteenth Century in Spain.
 Louis Hezekiah Russell, A.B.: Contributions to the Study of Absorption Spectra of Solutions of Cobalt Solutions.
 Helen Shaurman Strong, A.B.: Cato, the Elder, as an Orator.
 Harry J. Willcox, A.B.: The Literary Relations between England and America, 1800-1840.
 Edwin Hermann Zeydel, A.B.: The German Theatre in New York City.

Masters of Science in Agriculture

- Merrick Vickers Barnes, B.S.: The Apple Branding and Packing Laws of the United States.
 Sarkis Boshnakian, B.S.: Physiological and Genetic Studies of Compactness in Wheat.
 Howard Bowman Ellenberger, B.S.A.: Swell in Ice-Cream.
 Thomas Dennison Hall, B.A., B.S.: A Study in Drying and Wetting a Soil.
 Earle Volcart Hardenburg, B.S.: Factors Influencing Potato Production in Steuben County.
 Ben Coe Helmick, B.S.: The Correlation of Characters of Oats.
 Vern Reuben Jones, B.S.: A Method for Determining the Percentage Composition of Butter.
 Tsunyoong New, B.S.: Comparison of Methods for Mechanical Analysis of Soils.
 John Archibald Raitt, B.S.: Moisture Control in Butter.
 John Henry Reisner, A.B.: Wheat in New York.
 Francis Elton Rogers, B.S.: The Pear Industry in New York.
 Raymond Harvey Wilkins, B.S.: Some Factors Influencing the Fertility and the Hatching Power of Eggs of the Domestic Fowl.
 George Lorenzo Zundel, B.S.: The Relation of Light and of Soil Moisture to Infection of Celery by *Septoria petroselini* var. *apii*.

Masters in Forestry

- John Donald Lamont, B.S.: Methods of Intensive Reconnaissance.
 William Joseph McCarthy, B.S.: Yield Tables and Yield Regulation for the University Wood-Lots.
 Henry Bake Steer, B.S.: Some Problems of Nursery Installation with Special Reference to White Pine in the Northeast.
 Carl Waldemar Strauss, B.S.: The Effect of Certain Fertilizers on the Growth of Red Pine and White Pine Seedlings.

Masters of Architecture

- Norris Ingersoll Crandall, B.Arch.: A Study for the Re-Planning of Nashville, Tennessee.
 Edward Milton Urband, B.Arch.: An Embassy of the United States on an Island near Spain.

Masters of Civil Engineering

- Charles Everett Bee, A.B. in C.E.: The Economics of Irrigation and Hydro-Electric Projects.
 Phoo Hwa Chen, B.C.E.: A Critical Study of Viaducts.
 Jacob Oscar Jones, B.S.: The Effect on Orifice and Weir Flow of Slight Roundings of the Up-stream Edge.
 Chiu Yuk Leung, C.E.: A Study of the Steam Railroad Terminal Situation in Chicago.
 Charles Smith Whitney, C.E.: The Design of Steel and Concrete Buildings.

Masters of Mechanical Engineering

- Ralph A. Bown, M.E.: The Influence of the Field-Circuit Constants upon the Transient Short-Circuit Current in Alternators.
 Harold W. Brown, B.S.: Electromagnet Characteristics.
 Jen Chow, M.E.: Physical Properties and Structure of Steel with Different Heat Treatments.
 Frank Masanao Mizushi, B.S.: The Electrification of Tehachapi Pass of the Southern Pacific Railroad.
 William Roy Wigley, M.E.: Fatigue of Steel.

Doctors of Philosophy

- Josephine Nash Curtis, A.B., A.M.: Duration and the Temporal Judgment.
 Horace Leonard Howes, B.S.: The Fluorescence of Some Frozen Solutions of the Uranyl Salts.
 Robert Waldo King, A.B.: A Method of Measuring Heat Conductivities.
 Carl Edwin Ladd, B.S. in Agr.: Cost Accounts on Some New York Farms for 1912 and 1913.
 Ira Elver Lee, A.B., A.M.: Pressure, Temperature, and Concentration Relations in the Systems of Sodium, Chloride Ammonia; Sodium Bromide, Ammonia; and Sodium Iodide, Ammonia.
 Asa Earl Martin, B.A., M.A.: The Anti-Slavery Movement in Kentucky to 1840.
 Leonard Amby Maynard, A.B.: The Fixation of Nitrogen by Sweet Clover.
 George Adin Osner, A.B.: Leaf Smut of Timothy.

Carleton Elderkin Power, B.S.: The Effects of Temperature upon the Phosphorescence of Certain Sulphides.
 Gertrude Bramlette Richards, A.B., A.M.: Gian Francesco Pico della Mirandola. (1470-1533).
 William Jacob Robbins, A.B.: Digestion of Starch by *Penicillium* (*Camembertii*).
 Peter Juriaan van der Heyde Schreuder, B.A.: The Cape Horse—Its Origin, Breeding, and Development in the Union of South Africa.
 Constantine Demetry Sherbakoff, B.S. in Agr.: Fusaria of Potatoes.
 Ransom Evarts Somers, A.B., A.M.: Copper Deposits of the Burro Mountains.
 Carl Joseph West, B.A., M.A.: On Certain Formulas for Representing Statistical Data.
 Peter Irving Wold, B.S., E.E.: The Hall Effect and Allied Phenomena in Tellurium.
 Robert Morse Woodbury, A.B., A.M.: Social Insurance and Its Economic Effects.

Doctors of Medicine

[Conferred June 10th, 1915, at the Seventeenth Annual Commencement of the Medical College in New York City.]

Rowland Parker Blythe, A.B.
 Jacob Buckstein, B.S.
 Reginald Burbank, A.B.
 Paul Clinton Cook, A.B.
 Albert Sturges Crawford, B.S.
 Katharine Helen Degnan, A.B.
 Leon Ephraim De Yoe, A.B.
 Leo Edelman, A.B.
 George Gifford Fawcett, B.S.
 Gertrude Guild Fisher, A.B.

Roscoe Conkling Giles, A.B.
 Lazaros George Hadjopoulos, A.B.
 Kenneth Johnson, Ph.B.
 William Sharp McCann, A.B.
 John Miller, A.B.
 Mary Blanche Norton, B.S.
 Arthur Palmer, A.B.
 Sidney Douglas Palmer, A.B.
 Guy McMaster Parkhurst, A.B.
 Alfred Edward Phelps, A.B.

DEGREES CONFERRED SEPTEMBER 29, 1915

FIRST DEGREES

Bachelors of Arts

Joseph Raymond Donovan
 Harry Gordon
 Albert Graham Ingalls

Arthur James Putnam
 Francis Harley Scheetz
 David Thomas Schotland
 Clement Leith Speiden

Bachelor of Chemistry

Walter McMillan Ralph

Bachelors of Laws

Beverly Hare Coiner

Charles Patrick Coffey
 Charles Mason Harrington

Bachelors of Science

Druard Nunez Allman
 Benton Elwood Barringer
 Russell Brewer Bean
 Sherman Chancey Bishop
 William Venning Couchman, jr.
 Dorothy Curtis
 Harold Seeley Doane
 Claude Heath Edgerton
 Samuel Greenburg
 Stanley Smith Greene
 Benjamin Klein
 Abraham Bernard Margulis

Joseph Millman
 Christian Frederick Neergaard
 Schuyler Hayt Pearson
 Elizabeth Jane Pritchard
 Arthur Valentine Rice
 Frank Adams Roper
 William Reinhard Roth
 Walter Hershey Sheffield
 Adeline Alda Thurston
 Ping Wen Tsou
 Jacob Ufland
 Sarah Lalla Weissman

Civil Engineers

Clark Daniel Abbott
 Heliodoro Blanco Morales
 Earle Eugene Rolland Dornbach
 Charles Heidt
 Charles Kenneth Kerby
 George Lester Kraft

Alexander Craig Meikle
 Arthur Duncan Newkirk
 Benjamin Pologe
 Joshua Dickson Pratt
 John Kader Rose, jr.
 Jules Edmund Rosenthal
 David William Townsend

DEGREES CONFERRED SEPTEMBER 29, 1915

ADVANCED DEGREES

Masters of Arts

Mary Allen, A.B.: The Language and Style of Gottfried Keller in *Die Leute von Seldwyla*!
Harold Manson Jennings, A.B.: The Development of Industrial Education in the United States.
Bertha Alice Merrill, B.L.: The Influence of Sir Walter Scott upon Alfred de Vigny.

Masters in Forestry

Cedric Hay Guise, B.S.: Possibilities of Private Forest Management in New York State.

Masters of Science in Agriculture

George Wallace Musgrave, B.S.: A Study of the Agriculture of Twenty Counties in Pennsylvania.
Roy Glen Wiggans, B.S. in Agr.: The Effect of the Root System of Corn on the Evaporation of Water from the Soil.

Doctors of Philosophy

Wilbert Amie Clemens, B.A., M.A.: An Ecological Study of the Mayfly *Chironomus albomani-*
catus Needham.
Lewis Clark Cox, A.B., M.A.: The Finite Groups of Birational Transformations of a Net of Cubics.
Reuben Lorenzo Hill, B.S.: Some Aspects of the Physiology of Mammary Secretion.
John Nelson Norwood, Ph.B., A.M.: The Slavery Schism in the Methodist Episcopal Church.
Clifford Coutant Rose, B.Chem.: Diethyl-Amino-Metoxyl-Benzoyl-Tetrachlorobenzoic Acid and
Some of its Derivatives.
Earle Dudley Ross, Ph.B., Ph.M., A.M.: The Liberal Republican Movement.

CERTIFICATE FOR PROFICIENCY IN MILITARY SCIENCE

Charles Mason Harrington.

DEGREES CONFERRED FEBRUARY 4, 1915

FIRST DEGREES

Bachelors of Arts

Sarah Barclay	Tudor Seymour Long
Anna Stevens Chrisman	David Earl Mattern
Robert Armstrong Doyle	Charles Boughton Merrill
Carl Raymond Fellers	Hugo Muench, jr.
Edmund Jayne Gates	Sabina Therese Murray
Ernest Jenks	Jay Elliot Neale
Frank Macready Kilburn	John Winans Roe
Charles Albert Kuchler	Olga Paulina Schwarzbach
Fred Burr Lathrop	Sumin Ellsworth Shen
Eleanor Tatum Long	Selma White Snyder

Harry J. Willcox

Bachelors of Chemistry

Clifford Stone Cooley	Clark Munroe Dennis
	Byron Saunders Proper

Bachelor of Laws

Shepard Murray Hamilton

Bachelors of Science

Victor Adna Acer	Leo Michael Lucid
Constance Badger	Walter Stanley Marshland
Elna Grace Becker	Alfred Millard, jr.
Elwood LaBarre Chase	Frank Edison Miller
Willard Ray Cone	Lloyd Edward Moore
Harry S. Gabriel	Andries Petrus van der Post
Theodore Osborne Gavett	Samuel Jackson Raub
Edwin Sleight Ham	William Butler Remey
Bertram Higbie Hendrickson	Bertha E. Titsworth
Alvin Austin Jagger	Kenneth Oswald Ward
Benjamin Robert Leach	Paul Watson Wing
	Charles Mavro Warren

THE REGISTER

Bachelor of Science in Agriculture

Henry Vroom De Mott

Bachelors of Architecture

Raymond Earl Hoyt

Henry Berger Keckeley

Civil Engineers

Harry Samuel Andrews
Walter Rodney Cornell
John Duba, jr.

Donald Southwood Johnson
Charles LeRoy Maas
Armando Vivoni
Jose Manuel Vizcaino

Mechanical Engineers

Charles Lewin Cook

Jose Aurelio Vincente Corpus
John Whittier Watzek, jr.

DEGREES CONFERRED FEBRUARY 4, 1915

ADVANCED DEGREES

Masters of Arts

Elam Jonathan Anderson, A.B.: Standardization of the Heilbronner, Rote Memory, and Word-Building Tests.
Ellsworth David Elston, A.B.: Some Factors Influencing the Initiation and Development of Normal Potholes.
Charles Paul Gustav Giessing, A.B.: Caricature as a Factor in the Period of the Protesta Reformation.

Masters of Science in Agriculture

Oliver Frank Wooley Cromwell, B.S.: Root Growth of Young Apple Trees after July First.
Fritz William Hensel, jr., B.S. in Agr.: The Pecan in the United States.
Tuan Shin Kuo, B.S.: Influence of Certain Salts upon the Development of Nodules on Vetch.
George Norton Wolcott, B.S. in Agr.: Notes on the Life History and Ecology of *Tiphia inornata* Say.

Masters in Forestry

Pan Cheng King, B.S.: Principles of Forest Administration in Selected Countries of Europe, America, and Asia, with Suggested Application to China.
Benson Howard Paul, B.S.: An Ecological Study of Typical Forest Plantations in New York State.

Master of Mechanical Engineering

Herbert Byron Reynolds, M.E.: An Investigation of the Flow of Air and Steam through Orifices

Doctors of Philosophy

Alan Estis Flowers, M.E., M.M.E.: Viscosity Measurement and a New Viscosimeter.
Harvey Nicholas Gilbert, B.S.: The Copper Lakes of Eosin.
Charles Clifford Huntington, B.S., B.Ph., M.A.: The History of Banking in Ohio before the Civil War.
Millard Alschuler Klein, B.Sc.: Studies in the Drying of Soils.
James Kemp Plummer, B.S., M.S., A.M.: The Effect of Oxygen and Carbon Dioxide on Nitrification and Ammonification in Soils.
Joseph Rosenbaum, B.S. in Agr.: The Phytophthora Disease of Ginseng.

Prizes in the Medical College

The John Metcalfe Polk Memorial Prizes:

First Prize Rowland Parker Blythe
Second Prize Leo Edelman
Third Prize Gertrude Guild Fisher

The Whiting Othology Prizes:

First Prize Leo Edelman
Second Prize Rowland Parker Blythe

CERTIFICATES AND PRIZES

The following have been awarded by the Faculties during the academic year 1914-15:

Certificates for Proficiency in Military Science:

Major Rodrigo Bennett Rodriguez
Major Seth Gerson Hess
Captain Frank William Cady, jr.
Captain William Arnold Taylor
Captain Donald Tennyson Stanton
Captain George Robinson Phipps
Captain Andrew Edward Krieger
Captain Robert Chapin Candee
Captain Frank Martindell

First Lieutenant Stanley Dewsnap
First Lieutenant Alson W. Pitkin
First Lieutenant Arthur Lippincott Obre
First Lieutenant Kenneth Arthur Tapscott
First Lieutenant Edmund Leonard Judson, jr.
Second Lieutenant Ferdinand George Hummel
Color Sergeant Morris Goldstein
Sergeant Morris Goldstein
Sergeant Percy Nurse Daniels

The Sibley Prizes in Mechanic Arts:

First Prize.....Fred Harold Wiley
Second Prize.....Charles Harold Landon
Third Prize.....Edward Henry Herzer
Fourth Prize.....Ralph Knapp
Fifth Prize.....Robert Sturtevant Bassett

The Horace K. White Prizes (Veterinary College):

First Prize.....James Fremont Shigley
Second Prize.....Peter Theodore Petersen

The Woodford Prize in Oratory.....Duane Spencer Hatch

The Eighty-Six Memorial Prize in Declamation.....Raymond Prior Sanford

The Ninety-Four Memorial Prize in Debate.....Louis Yurlic Gaberman

The Guilford Essay Prize.....Paul Berwig Schumm

The Barnes Shakespeare Prize.....Harold John Palmer

The Corson Browning Prize.....Victor Hugo Davis

The Clifford Beckwith Brown Memorial Medals in Architecture:

First Prize.....Raymond McCormic Kennedy
Second Prize.....Gerald Lynton Kaufman

The Fuertes Medals (Civil Engineering College):

Graduate.....John Charles Lounsbury Fish
Undergraduate.....Herbert Ridgway

The Eastman Prizes for Public Speaking:

First Prize.....Duane Spencer Hatch
Second Prize.....Edwin Charles Heinsohn

The Frances Sampson Fine Arts Prize.....Mark Hoyt Ingraham

Jane Miller Prizes, Veterinary Physiology:

First Prize.....Marion Edwin Dennington
Second Prize.....William Micheal Long

James Gordon Bennett Prize (Veterinary College).....Harry Peter Bonnikson

The Hollingsworth Honorarium of Research (Veterinary College).....Walter Wilkinson Williams

The Fuertes Memorial Prizes in Public Speaking:

First Prize.....Alexander Mitchell Beebee
Second Prize.....John Condict Smaltz

The Corson French Prize.....Signe Kirstine Toksvig

The Luana L. Messenger Memorial Prize.....Austin Patterson Evans

The Stewart Prizes (Agricultural College):

First Prize.....James Russell Mailler
Second Prize.....Francis Karl Brooks
Third Prize.....Cleon Leslie Dunham, jr.
Fourth Prize.....Nicholas Garry Farber

The Robert T. Morris Prize in Nut Culture.....Henry Vroom De Mott

The George Chapman Caldwell Prize in Chemistry.....Frederick Raymond Georgia

The J. G. White Prizes in Spanish:

First Prize.....William Charles King
Second Prize.....Juan Ovalle

Student Medal of the American Institute of Architects.....Raymond McCormic Kennedy

Charles Goodwin Sands Memorial (Architecture College):

First Medals.....
} Norris Ingersoll Crandall
} Henry Stern Kirchberger

STUDENTS IN RESIDENCE, DECEMBER 1, 1915

Abbreviations. The colleges are designated in the list of students as follows: Arts and Sciences, A; Agriculture, Ag; Architecture, Ar; Civil Engineering, C; Law, L; Mechanical Engineering, M; Medical, M.D.; Veterinary, V. Graduate Students are indicated by Grad.; Special Students by Spec. The number e. g. "1916," "1917", etc., indicates the year of expected graduation.

Abbott, George Maurice	1919 A	Boston, Mass.
Abbott, John	1916 Ag	Galveston, Texas
Abbott, Sara Dukehart	1918 Ag	Baltimore, Md.
Abbuhl, Elizabeth May	1917 Ag	Greene
Abel, Emanuel	1919 M.E.	New York City
Abel, Paul Louis	1917 A	Buffalo
Abell, Max Flavel, B.S.	Grad	Phoenix
Abelow, Solomon	1916 Ag	Brooklyn
Abelson, Arthur Isador	1916 L	Utica
Aborn, Benjamin, 2d	1918 Ag	Amagansett
Abramson, Charles	1917 L	Bayonne N. J.
Abts, John Paul	1919 L	Columbus, Neb.
Acheson, Alexander Glencairn	1917 Ar	Ardsley-on-Hudson
Acker, Ernest Reynolds	1917 M.E.	Ossining
Acker, Leonard	1919 A	Poughkeepsie
Ackerknecht, Clarence Ferdinand	1918 A	Johnstown
Ackerman, Albert Mott	1916 M.E.	San Diego, Cal.
Ackerman, Bernard Josiah	1919 A	Hartford, Conn.
Ackerman, James Pierson	1918 A	Edmeston
Ackerman, Wallace Howe	1919 Ag	Brooklyn
Adair, Herbert Johnson	1916 L	Portland, Ind.
Adams, Helen Lurinda	1917 Ag	Holcomb
Adams, Herbert Lawton	1919 A	Buffalo
Adams, Huldah Ellen	1917 A	Silver Bay
Adams, Samuel Kuykendall	1916 A	Summitville
Adamson, George Dent	1919 Ag	Manassas, Va.
Adamson, William Augustus, B.A.	Grad	Hopeville, Ga.
Addams, William, jr.	1917 C.E.	Cynthiana, Ky.
Addonizio, Joseph Frank	1919 Ag	New York City
Adler, Milton	1919 Ag	Brooklyn
Adriance, William Allen, jr.	1918 Ar	Poughkeepsie
Agaton, Anacleto	1919 A	Nueva, Ecija, P. I.
Ahlberg, Arthur Otto	Spec Ar	Denver, Col.
Aierstok, Leonard Gutekunst	1917 L	Newark, N. J.
Aierstok, William Matthias	1918 A (Chem)	Newark, N. J.
Aikin, Arthur Coldren	1918 Ag	Sanborn
Aimer, James King	1919 Ag	Brooklyn
Ainsworth, Oliver Morley, B.S.	Grad	Campbell
Akehurst, William Delamere	1919 Ag	Otselic
Alber, Frederick Gustav	1916 Ag	Binghamton
Albertson, Edwin Russell	1919 M.E.	Hopewell, N. J.
Albertson, Mary Susan	1917 Ag	Delaware, N. J.
Albright, Marian Ruth	1919 A	Canandaigua
Albro, Homer Bodman	1917 A	Oak Park, Ill.
Alcacer, Ismael S., A.B.	1916 M.E.	Buenos Aires, Arg. Rep.
Alden, Spencer Thorndyke	1918 Ag	Fort Wayne, Ind.
Aldrich, Harry Lucius	1919 C.E.	Denver, Col.
Alexander, Charles Paul, B.S.	Grad	Gloversville
Alexander, Ivan Grant	1916 L	Marathon
Alexander, James Ritchie,	1918 A (Chem)	Brooklyn
Alexander, Walter Auber	1919 C.E.	Jamaica
Alexander, William Prindle	Spec Ag	Gloversville
Alexnezer, Samuel Louis	1916 Ag	Brooklyn
Alfke, Frederick Henry	1918 Ag	New York City
Allan, Kenneth Thompson	Spec Ag	Ithaca
Allanson, Henry Emil	1917 Ag	Ithaca
Allbright, John Glover	1917 M.E.	Chicago, Ill.
Allen, Albert Gillis	Grad	Salisbury, Md.
Allen, Arthur Alonzo	1916 Ag	Rock Stream
Allen, Burke Fowler	1916 Ag	Elma Center
Allen, Byron Augustus	1918 Ag	Sprakers
Allen, Charles Ethan	Grad	Orleans, Ind.
Allen, Charles Loring	1916 A	Brodhead
Allen, Charles Wheaton	1919 M.E.	Aurora, Ill.
Allen, Don Clinton	1916 L	Ovid
Allen, Eva Mildred	1919 Ag	Interlaken
Allen, Gardner Philip, B.S. in C.E.	1916 C	Milwaukee, Wis.
Allen, George Raymond	1919 M.D.	Plattsburgh
Allen, Hilda Wood, A.B., A.M.	1916 M.D. (N.Y.C.)	New York City

Allen, John Alban, A.B.	1917 Ag	Ithaca
Allen, Leonard Eugene	1918 Ag	Adams Basin
Allen, Margaret May, A.B.	Grad	Interlaken
Allen, Reginald Holcomb	1918 Ag	Ithaca
Alley, William Robert Clements	1916 A	Monticello
Allis, Ethel Elizabeth	1919 Ag	Ithaca
Allis, Selden Pierson	1918 M.E.	Macedon
Allison, Charles Brush	1917 Ag	Malone
Allison, Malcolm Graeme	1916 M.E.	New York City
Aloe, Arthur	1919 A	Philadelphia, Pa.
Altman, Irving Edward	1916 V	Brooklyn
Altschul, Alexander, B.S.	1916 M.D. (N.Y.C.)	New York City
Altschuler, Jacob	1916 Arch	New York City
Alward, Elizabeth	1918 Ag	Buffalo
Ames, Freda Corrine	1918 Ag	Norwich
Amory, George Sullivan	1916 A	Wilmington, Del.
Amos, Thomas Henry, jr.	1916 A	Harrisburg, Pa.
Amster, Solomon	1918 Ag	New York City
Andersen, Albert Gardner	1918 Ag	New York City
Anderson, Edward Ewen	1917 A	Washington, D. C.
Anderson, Ernest Gustaf, B.Sc.A.	Grad	Concord, Neb.
Anderson, Elam Jonathan, A.B., A.M.	Grad	Ithaca
Anderson, Kenneth Smith	1920 Ar	Albany
Anderson, Lola	Spec Ag	Augusta, Ga.
Anderson, Paul Eugene	1919 M.E.	Watervliet
Anderson, Robert Alexander	1916 M	Honolulu, T. H.
Anderson, William Henry Locke	1918 C.E.	East Liverpool, O.
Andrae, William Cook, M.E.	Grad	Baltimore, Md.
Andreas, William Franklin, jr.	1920 Ar	Millville, N. J.
Andrews, James Ward	1917 A	Innwood, L. I.
Andrews, Sophie Townsend, A.B., M.A.	1919 M.D.	New York City
Andrews, William Alexander	1917 A	Huntington
Andrews, William Angell	1919 C.E.	Grand Haven, Mich.
Andrus, Cowles	1916 A	Syracuse
Angell, Stanley Jewett	1918 Ag	Mt. Upton
Angus, Albert Stuart	1918 A	Brooklyn
Annexy, Jaime, jr.	1916 M.E.	Santurce, Porto Rico
Antell, Henrik	1917 A	Brooklyn
Antell, Morris	1917 Ag	New York City
Apor, Emil	1919 Ag	Budapest, Hungary
Ardell, Judson Warren	1916 V	Atlanta
Armas, Aquiles	1917 Ag	Trujillo, Peru
Armington, Ralph Stanley	Spec L	Brooklyn
Armstrong, Ellen Baxter, A.B.	Grad	Franklin, Tenn.
Armstrong, Stowell William	1916 A	Massena
Arnett, Ross Harold	1917 V	Knowlesville
Arnold, Anne Parker	1918 A	Montello, Mass.
Arnold, John Fletcher	1916 V	Plattsburgh
Arnold, Lawrence Moss	1918 A	Seattle, Wash.
Arnold, Thomas Joseph	1919 Ag	Hoboken, N. J.
Arnsfield, Samuel Raymond	1918 A (Chem)	Johnstown
Aronson, Julia	1917 Ag	Brooklyn
Aronstam, Joseph	1917 Ag	New York City
Arp, Louis Craft	1919 M.E.	Moline, Ill.
Artschwager, Ernst Friedrich, B.S.	Grad	Lin Kuhn, Germany
Ashbaugh, Virgil John	1917 Ag	Brookings, S. D.
Ashley, Dorothy	1918 Ag	Washington, D. C.
Ashley, Wells Hine	1920 C.E.	Ashtabula, O.
Ashmead, Joseph Crandell	1916 A	Richmond Hill
Ashton, De Yoe Lohnas	1919 L	Saratoga Springs
Ashwood, Jack	1917 A (Chem)	Gouverneur
Astor, Hyman	1916 A	Newport News, Va.
Astry, Perry D.	1918 C	Salem, O.
Atwood, Allen Albert	1917 L	St. Cloud, Minn.
Au, Sydney Siu-On	1918 Ag	Canton, China
Aubert, Francis	1918 M.E.	Mexico City, Mex.
Aubry, Charles	Spec Ag	Caldwell, N. J.
Augenblick, Jacob	1918 Ag	Newark, N. J.
Augur, Tracy Baldwin	1917 A	Brooklyn
Aungst, James Maurice	1918 L	Canton, O.
Ausman, Edith May	1918 A	Herkimer
Austin, German Leroy	1919 Ag	Glens Falls
Austin, Henry Kirke White	1918 A	Ithaca
Austin, Heaster Anna	1916 Ag	Ithaca
Austin, Roger Kenneth	1916 M.E.	Brooklyn
Averill, Lloyd Bernard	Spec L	Worcester, Mass.
Avery, Floyd Marshall	1916 M.E.	Ilion
Avery, Lillian Gladys	1916 A	Brooklyn
Avery, Volney Amos Sanford	1918 Ag	Ferrisburg, Vt.
Axtell, Florence Ethel	1916 Ag	Deposit
Ayars, David Preston, jr.	1919 M.E.	Wilkes-Barre, Pa.

Ayau, Manuel Samayoa, jr.	1917 M.E.	New York City
Aycrigg, Edward Wilcox	1916 A	Stamford, Conn.
Babbitt, James Stanley	1916 A (Chem)	New York City
Babcock, Delotus Henry	1918 Ag	Springville
Babcock, George Sanford	1916 A (Chem)	Northport
Babcock, Howard Parkhill	1917 A	Hornell
Babcock, Norman Clark	1918 A	Hornell
Babor, Rudolph Joseph	1918 Ag	New York City
Bacharach, Abram Fuld	1916 C.E.	Baltimore, Md.
Bachkoff, Jacob	1920 C.E.	New York City
Backman, Clifford Eugene	1916 M.E.	Pittsfield, Mass.
Bacon, Edwin Warner	1916 M	Erie, Pa.
Bacon, Job Lawrence	1916 Ag	Millville, N. J.
Bacon, Roland Henry	1918 M.E.	Rochester
Badanes, August	1918 A (Chem)	New York City
Badenhausen, Carl William	1917 M.E.	Stapleton
Badenhausen, Otto August	1917 A (Chem)	Stapleton
Baender, Fred Gottlieb, B.S., M.E.	Grad	Drexel, Mo.
Baerg, William J., A.B.	Grad	Lawrence, Kans.
Bagley, Julius Edward	1918 Ag	Brooklyn
Bahn, Carl Edward	1916 M.E.	Rochester
Bahney, Robert Hubbard	1917 M.E.	Massillon, O.
Bahret, Henry Gustave	1917 Ag	Poughkeepsie
Baildon, John Karl	1917 Ag	Marlboro
Bailey, Austin, A.B.	Grad	Lawrence, Kans.
Bailey, Clarence Wagar	1916 Ag	Lakewood, O.
Bailey, Clifford Sherwood	1918 A	Ithaca
Bailey, Elmer James, Ph.B., Ph.M., A.M., Ph.D.	Spec Ag	Ithaca
Bailey, Fay Cook	1919 A	Canton
Bailey, Frederick Eugene	1918 L	Hammondsport
Bailey, John Wendell, B.S.	1917 A	Jackson, Miss.
Bailey, Joseph Norbet	1916 Ar	Meriden, Conn.
Bailey, Leo Clair	1916 Ag	Ithaca
Bailey, Milton, jr.	1919 A	Jamestown
Bailey, Morrison Kyle	1920 Ar	Lakewood, O.
Bailey, Roger	1920 Ar	Jamestown
Bailliere, Frederick Lawrence	1916 Ag	Ellicott City, Md.
Baird, George White	1920 Ar	Southampton
Baker, Alton Fletcher	1917 A	Gates Mill, O.
Baker, Andrew Alvord	1919 Ag	Freeville
Baker, Brothwell Hotchkiss	Spec Ag	New Rochelle
Baker, Charles Nott, jr.	1919 L	Selkirk
Baker, David Wright	1919 A	Dunkirk
Baker, Elbert Curtiss, A.B.	1916 A (Chem)	Easton, Pa.
Baker, Ellis Thomson	1917 M.E.	Fredericksburg, Va.
Baker, Enos H.	1916 M.E.	Indianapolis, Ind.
Baker, Gertrude Q., B.A.	Grad	Middletown, O.
Baker, Harold	1917 Ag	New York City
Baker, Louise Eugenie	1919 A	Ithaca
Baker, Roland Sears	1916 Ag	Brooklyn
Baker, Thomas Alexander, B.S.	Grad	Columbia City, Ind.
Baker, Vaughn Durrell	1916 Ag	Willsboro
Baker, Walter	1917 M.E.	Jena, La.
Balch, Walter Buswell	1918 Ag	Lansdowne, Pa.
Baldridge, John Lakin	1916 Ar	Jersey City, N. J.
Baldwin, Charles Goddard, jr.	1917 M.E.	Syracuse
Baldwin, Dane Lewis, A.B., A.M.	Grad	Groton
Baldwin, Donald Robinson	1916 A	East Orange, N. J.
Baldwin, Garson	1916 L	Rochester
Baldwin, George Crook	1918 Ag	Highland Park, Ill.
Baldwin, Mabel Gingell	1917 Ag	Wyoming, Pa.
Baldwin, Marion Moore	1919 Ag	Ithaca
Baldwin, Maurice Burton	1918 Ar	Springfield, Mo.
Baldwin, Warner Frank	1919 Ag	Ithaca
Baleuzweig, Irvin	1918 M.D. (N. Y. C.)	New York City
Ball, Dorcas Janette	1918 A	Ithaca
Ball, Harold Appleton	1919 M	Wayne, Pa.
Ball, John McNickle	1916 A (Chem)	Swarthmore, Pa.
Ball, Robert Edwin, B.S.	1919 M	Pineville, La.
Ball, William Hudson	1917 A (Chem)	Muncie, Ind.
Ballantine, Herbert Wilgus	1918 A	New York City
Ballard, Donald Duncan	1918 M	Baltimore, Md.
Ballard, Raymond Griswold	1919 Ag	McLean
Ballard, Wilson Turner	1916 C	Baltimore, Md.
Balliett, Dorothy Alice	1919 Ag	Mansfield, O.
Ballou, Edith	1919 Ag	Mt. Vernon
Balser, Lewis Fishburn	1917 C.E.	Harrisburg, Pa.
Bamman, August Harry	1916 M.E.	Princeton, N. J.
Bancel, Alfred Fernand	1917 M	New York City
Bancroft, Mary Warner	1918 A	Ithaca

Banghart, Edgar Schuyler	1919 M	Binghamton
Bangs, John Robert, jr.	1918 M	Baltimore, Md.
Banker, Jerrie Ostrander	1918 Ag	Plattsburgh
Banks, Davies Kirkland, B.S.	1917 M	St. Matthews, S. C.
Banks, Frederic William	1918 M	Newburgh
Banks, Josephine	1919 A	Ithaca
Banner, Erford Lynn, B.S.	Grad	Ithaca
Banner, (Mrs.) Pearl Viola Decker, B.S.	Grad	Ithaca.
Banning, Hancock, jr., B.S.	1916 M	Los Angeles, Cal.
Banta, Charles Haney	1919 Ag	New York City
Banta, Helen	1919 Ag	Rockville Centre
Barber, Lillian Victoria	1917 A	Westfield
Barber, Ralph Spangler	1917 M	Joliet, Ill.
Barbour, Dana Little	1916 M	Ridgway, Pa.
Bard, Catherine Ann	1916 A	Gowanda
Bard, George Philip	1917 V	Leacock, Pa.
Bareford, Harold Shaw	1916 L	Millville, N. J.
Bareham, Lucian Clark, B.S.	Grad	Palmyra
Barger, Mabley Wilson	1920 C	Dansville
Barnes, Donald Dudleston	1919 M	New York Mills
Barnes, Frank Edward, A.B.	1919 M.D. (N.Y.C.)	Pownal, Vt.
Barnes, Frederick Livingston	1916 Ag	Syracuse
Barnes, Hobert Winship	1917 A	Detroit, Mich.
Barnes, Morris	1918 C	Brooklyn
Barnes, Robert Gilbert	1918 M	Douglaston
Barnes, Roland Russel	1916 A	Ovid
Barnhart, George Dooer	1916 C	Clayton
Barnhart, Leroy Wallace	1919 M	Ouray, Col.
Barnum, Harold Hutchinson	Spec Ag	Albion
Barnwell, Florence O'Neill	1917 A	Plandome
Barr, James Jacob	1918 Ag	Lancaster, Pa.
Barr, Joseph Sydney	1918 A	Ithaca
Barr, Samuel Max	1917 M	Brooklyn
Barrett, Charles	1916 M	Bellevue, Pa.
Barrett, Norman Winfield	1918 C	Washington, D.C.
Barringer, J. Lew	1916 V	Norwich
Barrington, Edmund Shultz	1919 A	Pittsburgh, Pa.
Barstow, Mary Eleanor	1918 A	Ithaca
Barthel, Else Anna Sophie	1919 M.D.	New York City
Bartlett, Maud Clover	1918 A	Fulton
Bartolicius, Ludwig William	1917 M	New York City
Barton, George Titus	1917 C	Montour Falls
Bartsch, Walter Christian	1917 Ag	Jersey City, N. J.
Bascom, Wade Lyman	1918 Ag	Farmdale, O.
Bashein, Meyer David	1917 Ag	New York City
Baskerville, Charles, jr.	1919 Ar	New York City
Bason, George Francis, B.E.	1916 M	Badham, S. C.
Bassett, Harold Rhodes	1918 C	Holyoke, Mass.
Bassett, Iris Marie	1916 Ag	Rochester
Bassett, James Wellington	1918 A (Chem)	Coopers Plains
Bassett, Lucy Antoinette	1916 Ag	Coleman's Station
Bassett, Robert Sturtevant	1916 M	Buffalo
Bassler, Robert Edward	1917 C	Brooklyn
Bateman, Frank Brace	1920 M.E.	Grenloch, N. J.
Bateman, John Wheaton	1916 A (Chem)	Dividing Creek, N. J.
Bateman, Margaret Louise	1919 A	Champlain
Bates, Gertrude Strong	1916 Ag	Ithaca
Bates, Juanita	1917 A	Ithaca
Bates, Mary Seymour	1916 A	Ithaca
Bätjer, Henry Huntington	1917 C	Abilene, Tex.
Batsford, Edwin Goodrich	1918 Ag	Utica
Batten, Esther Mary	1917 Ag	Ithaca
Batts, Walter Harold	1919 A	Grand Rapids, Mich.
Bauder, Harry Devoe, B.S.	Grad	Ithaca
Baughan, Stephen Decatur Large	1919 Ag	Philadelphia, Pa.
Baughner, Thomas LeRoy	1918 A	Baltimore, Md.
Baumeister, Charles	1918 Ag	New York City
Baumgartner, Edward Frank	1919 Ag	Geneva
Baxter, Benn	1919 Ag	Cherry Valley
Bayard, Frances Martin	1919 M	Woodbine, N. J.
Bayle, Francis Lawrence	1919 M	Glens Falls
Beach, Irving Tracy	1917 A (Chem)	Buffalo
Beach, Stephen Stanley	1918 Ag	Mansfield, Pa.
Beachy, Walter Fahrney	1917 Ag	Oak Park, Ill.
Beakes, Charles Curtis	1916 C	Sidney Center
Beakes, Mahlon Henry	1919 Ag	New York City
Beale, David	1917 C	Wellesley Hills, Mass.
Beals, Helen	1919 A	Worcester, Mass.
Bean, Merton Russell	1918 Ag	McGrawville
Beard, Reba Lyzette	1918 Ag	Harrisonburg, Va.
Beardsell, Melvin Howard	1919 A (Chem)	Ithaca

Beardsley, Edna Belle	1916 Ag	Odessa
Beardsley, Wallace Pearne	1919 L	Guayama, P. R.
Beattie, William Hamlin	1918 M	Greenville, S. C.
Beaumont, Arthur Bishop, B.S.	Grad	Ithaca
Bechtel, Albert Reiff, B.S., A.M.	Grad	Royersford, Pa.
Beck, Charles Blanchard	1919 A (Chem)	Chicago, Ill.
Beck, Charles Seidles	1917 C	Pittsburg, Pa.
Beck, Ellis William	1916 Ar	Jamestown
Beck, Russell Sheppard	1917 Ag	New York City
Becker, Howard Jester	1919 M	Philadelphia, Pa.
Becker, James Herman	1917 A	Chicago, Ill.
Becker, Joseph Adam	1918 M	Elmont
Becker, Julia Ernestine	1918 Ag	Baltimore, Md.
Beckwith, Charles Leach	1916 M	Allentown, Pa.
Bedell, John Reginald	1919 C	Valley Falls
Beecher, Lena Churchill	1916 Ag	Cortland
Beegle, Clifford Heath	1919 M	Beaver Falls, Pa.
Beehler, Albert	1917 A	Baltimore, Md.
Beer, Earl Fraser	1918 M	Fitchburg, Mass.
Beers, Albertson Seckendorff	1918 M	So. Norwalk, Conn.
Beers, Newell Emmett	1919 Ag	Morrisville
Beggs, Alan Hendrie	1918 M	Glen Ridge, N. J.
Beggs, Eugene William	1919 M	Glen Ridge, N. J.
Behr, Leo	1918 M	Brooklyn
Beifeld, Robert Siegmund	1917 A	Chicago, Ill.
Beilby, Jane Miranda	1916 Ag	Deposit
Belcher, Harold Stewart	1916 A	Far Hills, N. J.
Belden, Edward Miller	1916 Ag	Berkshire
Belden, Louise Fuller	1919 A	Fredonia
Bell, Archibald Douglas	1917 A	Hillsdale
Bell, Caroline Victoria	1918 A	Ithaca
Bell, Enid Rose	Grad	Jacksonville, O.
Bell, Helen Florentine, B.A.	1917 Ag	Bristol, Pa.
Bell, Katharine Raynolds	1917 A	Ithaca
Bell, Ralph, D.V.M.	Grad	Depew
Bell, William Daniel	1918 L	Hennelton
Beller, Elmer Adolph	1916 A	New York City
Beller, Jerome Harold	1918 A (Chem)	Portland, Me.
Bellis, Bernard	1919 Ag	New York City
Bellis, William Cornish	1917 M	Atlantic City, N. J.
Bemus, William Jothan	1919 M	Bemus Point
Bender, Charles Vernon	1918 A	Muncie, Ind.
Bender, Philip, jr.	1919 Ag	Albany
Benedict, Horace Guion	1919 C	Roselle, N. J.
Benedict, Lewis, jr.	1918 Ag	Attica
Bengtsson, Otelia Josephine	1919 A	Ossining
Benjamin, Everett Farrington	1917 A	Riverhead
Benjamin, Foster Hendrickson	1918 Ag	New York City
Benner, Emir Alan, B.S.	1916 M.D. (N.Y.C.)	Mt. Vernon
Bennett, Charles Bigelow, E.E., M.E.	Grad	Aneta, N. D.
Bennett, Curtis Burman	1919 C	Richmond, Ky.
Bennett, Grace Louise	1916 A	Buffalo
Bennett, Harold Selden, A.B.	Grad	Ithaca
Bennett, Helen Houghton	1918 Ag	Interlaken
Bennett, Melvin Frederick	Spec Ag	Brooklyn
Bennett, Ralph Stamp	1918 C	Trumansburg
Bennett, Ross Garrison	1918 A	New York City
Bennett, Rowland King	1916 C	Philadelphia, N. Y.
Bennett, William Dexter	1917 Ag	Philadelphia, N. Y.
Bennett, William Sabin, jr.	1919 L	Cody, Wyo.
Benore, John Morris	1916 M	New York City
Benson, Charles Beverley	1917 C	Ithaca
Benson, John Phineus, B.S.	Grad	Logan, Utah
Benson, Walter Van Ness	1917 C	Chatham
Benster, Nellie Constance	1916 A	East Moline, Ill.
Bentley, Andrew Jackson	1919 M	New London, Conn.
Bentley, Elwyn Brockway, A.B.	Grad	Ithaca
Bentley, Harold Perkins	1918 M	Cazenovia
Bentley, Louise Clift	1918 A	Brooklyn
Benton, George Alden, jr.	1919 A	Spencerport
Benton, Millard Warren	1919 A	Cortland
Bergen, Veeder	1917 A	Trumansburg
Berger, Frank Avery	1918 A	Troy
Berger, Sidney Alexander	1918 Ag	New York City
Berger, Solomon, A.B.	1917 M.D.	Elmira
Bergida, Golda Gisele	1917 A	Brooklyn
Berglas, Jacob Benjamin	1919 A	Brooklyn
Bergstein, Samuel	1919 Ag	Brooklyn
Berkeley, Florence	1919 Ag	Brooklyn
Berkoff, Harry Sidney	1919 A	New York City
Berkowitz, Hyman	1917 A	Brooklyn

Berkowitz, Isaac	1916 A	New York City
Berkowitz, Joseph Herman	1916 A	Brooklyn
Berliant, Murray Bernard	1919 Ag	New York City
Berliner, Henry Adler	1918 M	Washington, D. C.
Berls, Amanda Katherine	1917 A	New York City
Berls, Magdalena Olga	1919 Ag	New York City
Berman, Herman	1917 C	Brooklyn
Bernhardt, Isidor Harold	1918 Ag	Brooklyn
Bernhoft, Edith Amelia	1916 A	Buffalo
Bernstein, Max	1916 C	Brooklyn
Berry, Charles Harold, M.E.	Grad	Ithaca
Berston, James Lewis	1918 A (Chem)	Yonkers
Berthold, George Kendrick	1919 Ag	Brooklyn
Bertran, Juan Manuel	1918 C	Humacao, P. R.
Besemer, Arthur Merle, B.S.	Grad	Ithaca
Bessho, Naotomi	Spec A	Sendai, Japan
Best, Gerald Martin	1918 M	Port Jervis
Betances, Clotilde Helga	1916 A	San Juan, P. R.
Betsch, William Carter	1917 Ag	New York City
Bettcher, George Francis	1917 Ar	Denver, Col.
Betts, Franklin Furman	1918 Ag	Philadelphia, Pa.
Beyer, Benjamin Wesley, jr.	1920 M	Cincinnati, O.
Bichwit, Leonard	1918 A	Brooklyn
Bick, Harold Neilan	1917 M	Brooklyn
Bick, Henry, jr.	1918 L	New York City
Bickford, Robert Turner	1916 Ar	Elmira
Biederman, Edwin Williams	1919 Ag	Brooklyn
Biederman, Martin	1919 A (Chem)	New York City
Biederman, William	1916 A (Chem)	New York City
Bienenstock, Joseph	1917 Ag	New York City
Bigelow, Claude Myron	1920 M	Penn Yan
Billings, William Arthur	1917 V	Rochester
Biloon, Sol, B.S.	1919 M.D. (N.Y.C.)	New York City
Bingham, Samuel Herbert, jr.	1918 A	Highland Park, Ill.
Binks, William Thomas	1917 M	Rome
Binswanger, Samuel Emanuel	1919 M	Richmond, Va.
Birch, Raymond Russell, B.S., D.V.M.	Grad	Ithaca
Birkhead, Peter Hoffman	1916 M	Milwaukee, Wis.
Bird, Royal Gould	1916 Ag	New York City
Birkin, Kenneth Walter	1919 Ag	Elmhurst, Ill.
Bisdee, Edward Louis, jr.	1916 Ar	Baldwinsville
Bishop, George King	1919 M	Cleveland, O.
Bishop, Homer Guy, B.S., M.S.	Grad	Ithaca
Bishop, James Harold	1919 Ag	Elmira
Bishop, Sherman Chancey, B. Sc.	Grad	Clyde
Bissell, Addison Hayes, Litt.B.	1916 M.D. (N.Y.C.)	Newark, N. J.
Bissell, Chester Wright	1919 A (Chem)	Brooklyn
Bissett, John Vail, B.Sc.	1918 M.D. (N.Y.C.)	New Brunswick, N. J.
Black, Charles Eli	1918 Ag	Yonkers
Black, Foster	1916 M	Norfolk, Va.
Black, Mildred Ruth	1917 A	Lake View
Black, Russell Van Nest	1916 Ag	Hightstown, N. J.
Blackberg, Solomon Nathan	1918 V	Ellenville
Blackburn, Harold Coleman	1916 M	Philadelphia, Pa.
Blackburn, Walter Gerard	1919 A (Chem)	Yonkers
Blackhall, Robert Noble	1920 Ar	New York City
Blackman, John William, jr.	1917 Ag	New York City
Blackman, William Jackson	1918 A	Brooklyn
Blair, Howard Emmons	1918 Ag	Phelps
Blair, Milo Karl	1919 M	Hallstead, Pa.
Blair, William Mitchell	1918 M	Chicago, Ill.
Blake, Frederick Horace, jr.	1917 Ag	Omaha, Neb.
Blakelock, David Hazen	1917 C	Washington, D. C.
Blakeman, Ford Francis Seward	1918 A (Chem)	New Hartford
Blaker, (Mrs.) Adelaide Cornell	1919 Ag	Ithaca
Blakey, Susan, B.A., B.S.	Spec Ag	Ithaca
Blanchard, Merrill	1918 M	Evanston, Ill.
Blanchard, Ralph Harris	1917 A	Niagara Falls
Blanchard, Robert Lucas	1918 Ag	New York City
Blau, Jerome Leland	1917 A	Newark, N. J.
Blau, Nathan	1918 V	Ithaca
Blauvelt, Louisa Simpson	1919 Ag	Canajoharie
Bleiman, Gladys Katherine	1919 A	New York City
Blew, William Harry	1920 M	Niagara Falls
Blewett, William Edward	1918 M	Glen Ridge, N. J.
Blinn, Alice May	1917 Ag	Candor
Bliss, Frank Clifford	1917 Ag	Cooperstown
Bliss, William Carter	1917 M	St. Louis, Mo.
Blizzard, Alpheus W., B.S.	Grad	Baltimore, O.
Bloch, Louis	1918 M	Hartford, Conn.
Blodgett, Boyd Abram	1917 Ag	Fredonia

Blodgett, Lewis Alderman	1919 A	Corning
Blodgett, Mary Catherine	Spec Ag	Rushville
Bloom, Dora Ruth	1919 A	Paterson, N. J.
Blourock, Leo	1919 Ag	New York City
Blue, Edward Browning	1919 M	Pittsburg, Pa.
Blum, Samuel	1918 Ag	New York City
Blumberg, Ralph, A.B.	1919 M.D. (N.Y.C.)	Brooklyn
Blumenthal, Joseph	1919 A	New York City
Blumgarten, Samuel	1919 Ag	New York City
Blydenburgh, George Theron, B.S.	1918 M.D. (N.Y.C.)	Richmond Hill
Boardman, Alice Isabelle	1916 Ag	Ithaca
Boardman, Don Arol	1918 V	Springville
Boardman, Emma Irene, A.B.	1919 M.D.	Springfield, Mass.
Bobker, Harry	1918 C	New York City
Bock, George Frederic	1918 A	Lancaster
Böck, Josef Carl, Ing. Chem.	Grad (N.Y.C.)	Brooklyn
Bocker, Dorothy, B.S., M.A.	1919 M.D.	Hicksville
Bockes, Leslie Colton	1918 A	Freeville
Bockius, George Hamlin	1917 M	Canton, O.
Bodansky, Aaron, B.S.	Grad	New York City
Boehm, Arthur Bruce	1919 M	Robinson, Md.
Boettner, George Henry	1916 Ag	Perryville, Mo.
Bogart, Harold Elmer	1918 A	New York City
Bogdahn, Ernest Franz	1918 Ag	Troy
Boggis, Henry Parsons	1917 M	Cleveland, O.
Bohall, Mabel Catherine	Grad	Lowville
Boies, Charles Dwight	1918 A	Woodhaven
Boies, Harry Bainbridge	1916 M	Woodhaven
Bole, Harry Spencer	1917 Ag	East Hardwick, Vt.
Bole, Lyman Watts	1919 Ag	East Hardwick, Vt.
Bolenbaker, Roger Fraleigh	1916 V	Red Hook
Bolgiano, Charles Walton	1918 Ag	Washington, D. C.
Bollinger, Howard Foster	1918 A	Millerstown, Pa.
Bollman, George Hubert	1917 M	Kansas City, Mo.
Bomeisler, Charles McKaraheer	1917 M	East Orange, N. J.
Bonaguro, Alphonse	1919 C	Brooklyn
Bonnar, Henry Otis	1916 Ag	Buffalo
Bonnett, Earl Cluff	1918 A	Provo, Utah
Bonney, George W.	1916 Ag	Potsdam
Bonoff, Harold Charles	1918 A	Brooklyn
Boochever, Florence	1918 A	Albany
Boochever, William	1919 A	Albany
Bool, Helen Grace	1919 Ag	Ithaca
Bool, John Henry	Spec Ag	Ithaca
Booth, Arthur Earle	1919 Ag	Perth Amboy, N. J.
Boothroyd, Harold Cairns	1919 A (Chem)	Newburgh
Boren, Albert James, M.D.	Spec M.D. (N.Y.C.)	Cowles, Neb.
Borgos, Charles	1916 Ag	Brooklyn
de Borja, Jaime Ricardo, jr.	1918 C	Riobamba, Ecuador, S. A.
Borst, Edward Walter	1916 Ag	Baltimore, Md.
Bose, Charles Herman	1918 L	Bayonne, N. J.
Bose, Surendra Nath, L.E.E.	1917 M	Allahabad, India
Boshart, William Elida	Spec Ag	Lowville
Boshnakian, Sarkis, B.Sc. in Agr., M.S. in Agr.	Grad	Ithaca
Botsford, Elsie Viola	1916 Ag	Rutherford, N. J.
Botsford, Harold Eugene	1918 Ag	Ithaca
Boucher, Henry Negus	1918 Ag	Brooklyn
Boughton, Paul Ninde	1919 Ag	Brooklyn
Boulter, Lewis Henry, A.B., A.M.	Grad	Auburn
Bowen, Dorothy Temple	1919 A	Montvale, N. J.
Bowen, Florence Cornelia	1916 A	Somerville, Mass.
Bowen, Grant Whitney	1919 M	Mt. Morris
Bowen, Orley Glenn	1916 Ag	Hartford
Bowen, Ray Preston, A.B., A.M.	Grad	Wellsboro, Pa.
Bower, Gertrude Esther	1917 Ag	Elmira
Bower, Harlan Ezbon	1919 Ag	Kings Ferry
Bowers, Anderson	1919 M	Kittanning, Pa.
Bowers, Clement Gray	Spec Ag	Binghamton
Bowes, David Martin	1917 Ar	Bath
Bowker, John Hall	1918 Ag	Cortland
Bowles, Robert Brigham	1919 C	Houston, Tex.
Bowman, Alma Mary	1918 A	Norwich, Conn.
Bowman, Harold Cook	1919 M	Ogdensburg
Bowman, Herbert Lee	1919 A	Mt. Vernon
Bown, Ralph A., M.E., M.M.E.	Grad	Fairport
Boyce, Edward Doak	1918 L	Brooklyn
Boyd, Alice Vernet	1918 Ag	Afton
Boyd, Edith Florence	1917 A	Mt. Vernon
Boyd, Edna Mildred	1916 A	Mt. Vernon
Boyle, John Richards, 2d	1918 Ag	East Orange, N. J.
Boynton, Alice A.	1918 Ag	Ithaca

Boynton, Barbara	1917 A	Ithaca
Boynton, Frank David, jr.	1917 A	Ithaca
Brace, Ruth Minnie	1916 Ag	Richmond Hill
Bradford, Louis Jacquelin, B.S.	1916 M	Boyce, Va.
Bradford, Paul	1918 A	Ithaca
Bradley, Carl Richard	1917 Ag	Hornell
Bradley, George Hirst	1916 Ag	Hornell
Bradley, Harold Bartlett	1918 Ag	Montclair, N. J.
Bradley, Harold Judd	1919 M	Chicago, Ill.
Bradley, Jesse Franklin, A.B.	Grad	Saugatuck, Conn.
Bradley, Ruth Winifred	1918 A	Silver Springs
Brady, John Franklin, jr.	1919 M	Kansas City, Mo.
Brady, William Malcolm	1919 Ag	S. Orange, N. J.
Brancato, Peter, M.D.	Spec M.D. (N.Y.C.)	New York City
Brandel, Myron Philip	1919 M	Hamburg
Brandes, Frederick Christian	1916 C	New York City
Brandes, George Henry	1918 A (Chem)	Oswego
Brandow, William Henry	1917 Ag	Albany
Brandt, Adolph	1917 C	Rhinebeck
Brandt, Richard, jr.	1917 A	New York City
Brannon, James Marshall, M.A.	Grad	Ithaca
Braun, Harry, B.S.	Grad	New York City
Bray, Mark Wilder, A.B., M.S.	Grad	Appleton, Wis.
Braymer, George Winfield, jr.	1918 L	Granville
Braziell, William Martin	1916 Ar	Poughkeepsie
Breck, George Dwight	1919 A	Pittsburgh, Pa.
Breck, Lawrence Wm.	1918 M	Pittsburgh, Pa.
Breckenridge, Donald Edward	1919 M	Franklin, Pa.
Breckinridge, Clifton Rodes, jr.	1919 M	Fort Smith, Ark.
Breen, Donald Hanley	1919 L	Watertown
Breen, James William	1919 L	Pepperell, Mass.
Breg, Powell E.	1919 Ag	Dallas, Tex.
Bregger, Thomas, B.S.	Grad	Rock Island, Ill.
Bremer, Harry Earl	1916 Ag	Amsterdam
Brennan, Elizabeth Mary	1918 A	Kingston, Pa.
Brenner, Joseph	1919 Ag	Brooklyn
Bretz, Ludlow Earle	1919 M	Dobbs Ferry
Brew, Julia Isabel	1919 L	Brooklyn
Brewer, Harold George	1919 A	Spring Valley
Brewer, Irwin	1917 M	Oswego
Brewer, Sarah Lucille, B.S.	Grad	Gordon, Neb.
Brewster, Alice May	1917 Ag	Cornwall
Brewster, Chas. Stockton, B.S.A.	Grad	Corvallis, Ore.
Brewster, Oswald Cammann	1918 M	Boulder, Col.
Brezee, Elizabeth Lenita, A.B.	Grad (N.Y.C.)	Saratoga Springs
Brickman, Benjamin	1916 Ag	S. Fallsburgh
Brickman, Howard Keller	1916 A (Chem)	Hornell
Bridges, Clayton Thomas	1918 Ag	Fairport
Bridgman, J. Allington, B. Chem.	Grad	Ithaca
Briggs, Chauncey Millar	1917 C	Chicago, Ill.
Briggs, Loutrel Winslow	1917 Ag	New York City
Briggs, Mead Greacen	1917 Ag	Brooklyn
Briggs, Philip Schuyler, jr.	1920 M	Strafford, Pa.
Briggs, Roscoe Wallace	1919 Ag	Glens Falls
Bright, Joseph Paul	1917 C	Wilmington, Del.
Bright, Michael Carnahan	1917 M	Superior, Wis.
Brink, Francis Gerard	1916 A	Marathon
Brink, James Henry	1918 V	Newark Valley
Brinkerhoff, James Embury	1917 M	Orange, N. J.
Brinkley, Hugh Montgomery, B.S.A.	Grad	Memphis, Tenn.
Briscoe, James Price	1918 Ag	Jackson, Mich.
Bristol, Albert Crane	1920 M	Claverack
Bristol, Anna	1917 Ag	Ovid
Broadbent, Harold Stanley	1917 A (Chem)	Utica
Brock, James Fargo	1920 M	Brooklyn
Brodner, Meier	1918 V	Brooklyn
Brokaw, Arthur Halsey	Spec Ag	Lodi
Bromley, John Hallock, B.S.	Grad	Ithaca
Bronder, George Albert, jr.	1919 M	Brooklyn
Brookmire, Neil Ivan	1918 M	Findley Lake
Brooks, Alfred Hiram	1918 Ag	Monroe
Brooks, Daniel Bosley	1919 Ag	Cockeysville, Md.
Brooks, Francis Karl	Spec Ag	Ithaca
Brooks, Frederic Day	1916 Ag	Ithaca
Brooks, Homer Jay, B.S.	Grad	Rushford
Brower, Henry Somerset	1917 Ag	Spencerport
Brower, Lawrence George	1918 Ag	Mamaroneck
Brown, Alan Lyon	1917 A	Passaic, N. J.
Brown, Anthony Joseph	1918 A	Corning
Brown, Camilla June	1918 Ag	Hartford
Brown, Charles Elmer	1918 V	Ononville

Brown, Clayton Warhurst	1917 A (Chem)	Wappingers Falls
Brown, Colonel Loren	1919 Ag	Hilton
Brown, Edward Howey	1918 M	Cleveland, O.
Brown, Fayette Edwin	1920 M	Iron Mountain, Mich.
Brown, Franklin Edwin	1918 Ag	Trumansburg
Brown, Harold Gordon	1918 Ag	Deerfield
Brown, James Shine	1919 L	Rome
Brown, Kenneth Cotton	1918 A (Chem)	Hinsdale, Ill.
Brown, Laura Bayette	1919 A	Ithaca
Brown, Lawrence Glen	1916 Ag	Nashville, Ind.
Brown, (Mrs.) Lea Altenburg Bramhall	1917 A	Ithaca
Brown, Leslie	1916 Ag	Elmira
Brown, Lloyd Campbell	1916 V	Gloucester, Mass.
Brown, Mary Celia	1918 A	Trumansburg
Brown, Ned Charles Lindsay	1918 M	Cohocton
Brown, Randolph Milton	1919 Ag	Stapleton
Brown, Richard Edmund, E.E.	Grad	Summit Station, Pa.
Brown, Richard Harter	1919 L	Romulus
Brown, Ruth Eleanor	1918 A	Burdett
Brown, Samuel Thomas	1917 M	Patton, Pa.
Brown, Thomas Benjamin, A.B.	Grad	Ithaca
Brown, William Jean	1916 M	Meehoopany, Pa.
Brown, Wiser	1917 M	Syracuse
Browne, Dudley Malcolm	1918 Ag	Ithaca
Browne, Frederick Lincoln	1917 A (Chem)	New York City
Browning, Homer	1916 A	Buffalo
Browning, Robert Abraham	Spec Ag	Buffalo
Browning, Val Allain	1918 A	Ogden, Utah
Bruckheimer, Alleyne Henry	1919 A	Buffalo
Brunn, Harry Otis	1916 M	Buffalo
Brunner, Leon Dispeau	1918 V	Binghamton
Brunson, Wright Abel	1918 V	Moons
Bryan, Frank Clay	1917 M	New York City
Bryant, Miles William	1916 Ag	Princeton, Ill.
Bryant, Robert Charles	1918 M	Binghamton
Bryce, Thomas Francis	1918 A	Newark, N. J.
Bryne, Gladys Adelle	1919 Ag	Auburn
Bucher, Lloyd Day	1919 Ag	Brooklyn
Buchman, Joseph	1918 Ag	New York City
Buck, Herbert Howe	1917 Ar	Buffalo
Buck, Victor Mitchel	1916 Ag	La Grangeville
Buckbinder, Joseph Jerry	1919 L	Bayonne, N. J.
Buckingham, Trevor Couch	1918 Ag	Willimantic, Conn.
Buckley, Edmund James	1916 Ag	Saranac Lake
Buckley, Sidney Slater	1919 Ag	Yonkers
Buckmann, George Frederick	1917 C	New York City
Buckwell, George Dupré	1916 A	Cleveland, O.
Budd, Ivon Harold	1917 Ag	Caldwell, N. J.
Budd, James Marshall	1919 Ag	Philadelphia, Pa.
Buell, William Ray	1919 Ag	Norwich
Bufford, Hazel Blanche	1917 A	Buffalo
du Buisson, Johannes Petrus, A.B., M.S.A.	Grad	Senekal, S. Africa
Bull, Arthur Walker	1919 A (Chem)	Keeseville
Bull, Ebenezer, A.B.	1917 Ag	Poughkeepsie
Bull, William Francis	1916 Ag	Hastings-on-Hudson
Bullard, George Percival	1919 C	Ithaca
Bullard, Helen Elise	1919 Ag	Schuylerville
Bullis, Horace Franklin	1919 Ag	West Albany
Bundy, Murray Wright, A.B., A.M.	Grad	Ithaca
Bunn, Charles Horatio, jr.	1917 C	East Orange, N. J.
Buongiorno, Rose	1919 A	Union, N. J.
Burchard, Albert Stanley	1918 Ag	Oxford
Burchell, William John	1919 M	Chicago, Ill.
Burdick, Harold Bennitt	1916 Ar	Cleveland, O.
Burdick, Maude Amelia	1918 A	Interlaken
Burgard, Howard Alfred	1916 A	Buffalo
Burgard, Willard Henry	1916 C	Buffalo
Burgunder, Bernard Frank	1918 A	Wilkes-Barre, Pa.
Burke, Carl Martin, A.B., A.M.	Grad	McPherson, Kan.
Burke, Frank Jones	1917 Ag	Newark, N. J.
Burke, Thomas	1919 A	Oneida
Burke, Walter Raymond	1919 C	Scranton, Pa.
Burkholder, Walter H., A.B.	Grad	Crawfordsville, Ind.
Burlage, Stanley Ross	1918 Ag	Fredonia
Burnett, Roscoe Elvis, A.B.	1916 Ag	New York City
Burnham, Rogers	1918 M	Brooklyn
Burns, Edward John	1917 A	Mohawk
Burns, Justin Warren	1917 Ag	Watertown
Burns, Walter Ellsmere	1919 L	Harrisburg, Pa.
Burns, Walton Harold	1918 Ar	Gary, Ind.
Burpee, Chandler	1917 M	Philadelphia, Pa.

Burrell, Archibald Wray	1918 A	Buffalo
Burritt, Hiram Ray	1917 Ag	Austin, Col.
Burroughs, Ambrose Matson	1919 Ag	Albion
Burrows, George Allen, A.B.	Grad	N. Tonawanda
Burt, Adena Katherine	1918 A	Lake George
Burt, Lester Pultz	1919 M	Catatonk
Bush, Bessie Suzanne	Spec Ag	Ithaca
Bush, Earl Dolson	1919 Ag	Warsaw
Bush, Ralph Raymond	1919 M	Kingston, Pa.
Bush, Raymond Bates	1918 Ag	Kennedy
Bushnell, Burdge Ogden	1918 M	New Haven, Conn.
Bussell, Frank Pores, A.B.	Grad	Ithaca
Bussey, Robert Edgar	1918 M	Yonkers
Butler, James Norland	1916 L	Greenwich, N. J.
Butler, Wellington Frederick	1917 A (Chem)	River Edge, N. J.
Button, Dorothy Markham	1918 Ag	Canastota
Button, Forrest Clifton	1916 Ag	Fredonia
Button, Gertrude MacCartney	1916 Ag	Canastota
Buttrey, Harry Edwin	1919 A	Havre, Mont.
Buttrick, Alden Crippen	1916 A	Ithaca
Butts, Wilbur Kingsley	1918 Ag	Poughkeepsie
Buys, Ivan	1917 M	Trumansburg
Buys, John Levenus	1919 Ag	Sodus Point
Buzby, Jesse Milton	1918 Ag	Germantown, Pa.
Byrne, Edward Munson	1919 M	Washington, D. C.
Byrne, Harry Francis	1916 L	Brooklyn
Byron, Charles Stanford	1919 A	Brooklyn
Cable, Jo Harnly	1918 M	Lima, O.
Cacho y Soriano, Mariano	1916 C	Manila, P. I.
Cady, Donald Watson	1916 A	New Rochelle
Cady, Elizabeth Catherine	1918 A	Ithaca
Cady, Stanley Hurlbutt	1918 M	Spencerport
Cahen, Harold Arthur, A. B.	1916 M	New York City
Cahoon, Charles Wilbur jr.	1919 M	St. Louis, Mo.
Cain, Walter Leroy	1916 Ag	Gowanda
Calder, William, jr.	1917 M	Harrisburg, Pa.
Caldwell, Henry Wallace	1917 M	Oak Park, Ill.
Caldwell, James Clayton	1917 M	Brooklyn
Calkins, Donald Franklin	1919 Ag	N. Tonawanda
Calkins, James Birdsall	1916 M	Ithaca
Call, Robert Vincent	1917 Ag	Stafford
Callaghan, John Thomas	1916 A	New York City
Callahan, Lawrence Kingsley	1916 A	Chicago, Ill.
Campbell, Donald Malcolm, L.R.C.S.	Spec M.D. (N.Y.C.)	Detroit, Mich.
Cameron, Henry Griggs	1916 Ag	Washingtonville
Caminez, Harold	1919 M	Brooklyn
Camp, Chester Claremont, B.A., A.M.	Grad	Corning, Ia.
Campbell, Bartley Edmund	1918 Ag	New York City
Campbell, Carleton	1919 A	New York City
Campbell, Donald Stuart	1916 Ag	Detroit, Mich.
Campbell, James Monroe	1919 C	Oklahoma City, Okla.
Campbell, John Wesley, jr.	1918 Ag	Warren, Pa.
Campbell, Robert Argyll, A.B.	Grad	Gurnee, Ill.
Campbell, Robert Dudley	1919 M	Glenshaw, Pa.
Campbell, Sarah Letson	1917 Ag	Suffern
Camuti, Louis Joseph	1916 Ag 1918 V	New York City
Candee, Robert Chapin, A.B.	Grad	Ithaca
Cantor, Jacob August, B.A.	1918 M.D. (N.Y.C.)	New York City
Capen, Charles Herbert, jr.	1917 C	East Orange, N. J.
Caplan, Harry	1916 A	Albany
Caprio, Amerigo Francesco	1917 A (Chem)	Newark, N. J.
Capron, Theodore Jackson	1919 Ag	Wayland
Card, Dana George	1919 Ag	Sylvania, Pa.
Card, Wendell Thomas	1916 Ag	Sylvania, Pa.
Carey, Clyde Dana	1918 A	Laconia, N. H.
Carey, Daniel John	1919 Ag	Ithaca
Carl, Leroy Robert	1916 Ag	Colden
Carmack, William Graham	1919 A	Niagara Falls
Carman, Edward Horace, jr., B.S. in M. E.	1916 M	Atlanta, Ga.
Carmœga, Rafael	1918 Ar	Rio Piedras, P. R.
Carnes, Moses	1916 A	Tupper Lake
Carney, Harry Beahan	1916 A	Granville, O.
Carpenter, Allan Wallace	1916 A	Wilmington, Del.
Carpenter, Arthur Eldred	1918 A	North Bangor
Carpenter, Charles Milton	1917 V	Unadilla
Carpenter, Clarence Cleve, C.E.	1917 C	Dawson, O.
Carpenter, Clinton George	1918 A	Hudson Falls
Carpenter, Edwin John, jr.	1918 A	Corning
Carpenter, Evie Lee	1918 Ag	Yonkers
Carpenter, Howard Baylis	1916 M	Camden, N. J.

Carples, Bernard John Ross	1918 L	New York City
Carples, Edmund Nathaniel	1919 A (Chem)	New York City
Carr, Edward Howard	1920 C	Bayville
Carr, James Truman	1919 Ag	Lewiston
Carr, Robert Upton	1917 A	Buffalo
Carrasco-Calvo, Juan Leopoldo, B.S., A.B.	1919 M	Temuco, Chile
Carrick, Carey Walton, A.B.	Grad	High Point, N. C.
Carrick, Doak Bain, A.B.	Grad	High Point, N. C.
Carrick, Mary Stephens, A.B.	Grad	High Point, N. C.
Carrier, Charles Mosher	1916 A (Chem)	Troy
Carroll, Burt Haring	1917 A (Chem)	Lynn, Mass.
Carroll, Chas. Hardy, A.B.	Grad 1919 M.D.	Provo, Utah
Carroll, Cora Crucis	Grad 1916 A	Highland Mills
Carroll, Frank Arthur	Spec Ag	Woonsocket, R. I.
Carroll, Julian Orlando	1919 C	Baltimore, Md.
Carroll, Malcolm Barrington	1918 L	West New Brighton
Carry, Joseph Champ	1918 M	Chicago, Ill.
Carter, Frank Henry	1916 M	Baltimore, Md.
Carter, Glenn Theron	1916 Ag	Marathon
Carter, Helen	1917 A	Minersville, Pa.
Carter, Paul William	1917 A	Greenwich
Cartwright, Louis Benton	1917 A	East Bloomfield
Carver, William Van Ness	1918 Ag	Brooklyn
Cary, Richard Edgar	1918 Ag	Richfield Springs
Case, Francis Owen	1916 A (Chem)	Chattanooga, Tenn.
Case, Mervin	1919 M	Chicago, Ill.
Casey, Alice Josephine	1916 A	Ithaca
Casey, John Augustine, B.A.	1918 M.D. (N. Y. C.)	Bridgeport, Conn.
Caspar, John Page	1918 Ag	Pittsburgh, Pa.
Cassedy, William Fraser, jr.	1919 M	Newburg
Cassel, Edna Egolf	1917 A	Philadelphia, Pa.
Cassell, Albert Irvin	1919 Ar	Baltimore, Md.
Cassidy, George Emmes	1917 M	Honolulu, Hawaii
Cassidy, Mark Anselm	Spec Ag	Woonsocket, R. I.
Castelli, Ignatius	1918 Ag	New York City
Castillo, Manuel Jesus	1917 Ag	Merida, Yucatan, Mexico
Caswell, Sarah Palmer, B.A.	Grad	Norton, Mass.
Catalonello, Michael Salvator	1917 A	Brooklyn
Catchpole, Edwin Watson	1918 Ag	North Rose
Catok, Victor Max	1919 C	New York City
Cautley, Henry Kingsman	1919 Ag	New York City
Cautley, Randolph Vivian	1917 A	New York City
Cavanaugh, Paul James	1917 A	Ithaca
Caveney, Francis James	1916 V	New Brighton
Caves, Stuart Shaw	1916 C	Phelps
Ceasar, Abraham Louis, M.D.	Spec M.D. (N. Y. C.)	New York City
Cesario, Frank	1917 C	Portchester
Chadbourn, Ernest Clinton	1916 Ag	Syracuse
Chadeayne, Henry Frost	1917 C	Firthcliffe
Chadsey, Gladys Marie	1917 A	New York City
Chadwick, Benjamin Franklin	1918 M	Brooklyn
Chadwick, Joseph Julius	1916 M	Brooklyn
Chadwick, Stuart	1918 M	Hartford, Conn.
Chaiclin, Joseph Judah	1919 Ag	New York City
Chamberlain, Carl Christoph	1919 Ag	Pine City
Chamberlain, Charles Herbert	1916 Ag	Rochester
Chamberlain, Thomas Knight	1918 Ag	Brooklyn
Chamberlin, Lewis Church	1916 A	Chicago, Ill.
Chambers, Henry James	Spec Ag	Walton
Champ, Kenneth Barnard	1918 M	Cleveland Heights, O.
Chandler, David Harry, jr.	1917 M	Vineland, N. J.
Chandler, Edward Austin, jr.	1917 C	Gardner, Mass.
Chandler, Wallace Larkin, B.S., M.S.	Grad	Ithaca
Chang, Clifton Tse	1917 Ag	Hopei, Tientsin, China
Chao, Kuo Tung	1919 M	Hopei, Tientsin, China
Chapin, Oscar Hilan	1918 Ag	Greenwich
Chapin, Stuart Lyle	1917 M	Oneida
Chapin, Willard Luther	Spec Ag	Philadelphia
Chapman, Dorothy Lyon	1919 Ag	Port Richmond
Chapman, Louis Rounseville	1919 Ar	Pittsburgh, Pa.
Chapman, Margaret Lyon	1918 A	Port Richmond
Chapman, Phyllis	1919 Ag	Brooklyn
Chapman, Robert Hett	1917 M	Spartanburg, S. C.
Chapman, Royal Norton, B.A., M.A.	Grad	St. Paul, Minn.
Chapman, Wilbur Fiske, A.B.	1917 L	Philadelphia, Pa.
Chappell, Paul Russell	1917 Ag	Cayuga
Chappell, William Dorr	1916 Ag	Port Byron
Chappelle, Ruth Virginia	1917 A	Hoboken, N. J.
Charles, Thomas Burr, B.S.	Grad	Odessa
Chase, Amos Prentice	1918 M	Norwich, Conn.

Chase, Philip Bradford	1919 Ar	Chicago, Ill.
Chase, Vernon Ballard	1916 M	Brooklyn
Chase, Wilbur Darwin	1916 Ag	Hilton
Chater, John Andrew, jr.	1916 M	Ithaca
Chater, William Sage	1916 Ag	Ithaca
Chavin, Raphael	1916 A	Spring Valley
Cheesman, Roy Walling	Spec Ar	Rochester
Chen, Che Kwei	1919 A	Peking, China
Chen, Cheng-Sze, B.A.	1916 C	Foochow, China
Chen, Phoo-Hwa, B.C.E., M.C.E.	Grad	Fukien, China
Cheney, Monroe George, jr.	1916 Ag	Franklinville
Chenoweth, Matthew Lawrence	1919 L	London, O.
Cherniack, Nathan	1919 C	Brooklyn
Chesebrough, M. Arloline	1918 A	Brookfield
Chesney, Malcolm McCay	1916 M.	Pittsfield, Mass.
Cheung, Cheuk Kwan	1916 Ag	Canton, China
Cheyney, Henry Clay	1919 A	Evanston, Ill.
Chien, Chih Lan	1917 Ag	Chikiang, China
Chilcote, Laurence Reed, B.S.	1916 M	Berkeley, Cal.
Childrey, Roland Lett	1919 A	Camden, N. J.
Chipman, Albert Thomas	1916 Ar	Ithaca
Chipman, Ruth Ellen, A.B.	Grad	Ithaca
Chippey, Arthur Peter	1916 A	Wilmington, Del.
Chiu, Wei Yung	1916 M	Shanghai, China
Cho, Wen-Yueh	1916 C	Canton, China
Choate, Dorothy Flood	1918 Ag	Romulus
Chow, Yen Shuen	1919 C	Shanghai, China
Christ, Leone Lawall	1920 C	Warsaw
Christensen, Eiler Martin	1920 C	Norwich
Christensen, John	1918 A	Brooklyn
Christian, Cyrus Marvin	1919 A	Horseheads
Christianson, Raynard	1920 M	Butler, Pa.
Christie, Clyde	1919 L	Bergenfield, N. J.
Chu, Kea-Hin	1918 M	Shasi, China
Chupp, Charles, A.B.	Grad	Ithaca
Church, Elsie Sterling	1918 A	Ithaca
Churchyard, Elizabeth	1919 Ag	Buffalo
Chynoweth, Walter John	1918 V	Williamstown, Vt.
Cianchini, Luis Felipe	1916 C	Coamo, P. R.
Cihlar, Stanley George	Spec Ag	Riverhead
Cinader, Louis	1917 Ag	New York City
Cipperley, Ada Claire	Spec Ag	Ithaca
Claassen, Peter Walter, A.B., A.M.	Grad	Lawrence, Kans.
Clarey, Louis Hanawalt	1916 A	Madison, N. J.
Claris, John Woodward	1917 V	Buffalo
Clark, Albert Merwin, A.B.	1918 M.D. (N.Y.C.)	Mt. Vernon
Clark, Albert Rankin, LL.B.	1916 Ag	Ithaca
Clark, Charles Parsons, B.S.	Grad	Skaneateles
Clark, Frank Pendleton	1919 M	Alexandria, La.
Clark, Frederick Conrad	1916 V	Cohocton
Clark, George Rogers	1917 M	St. Louis, Mo.
Clark, Harold Howard, M.E.	Grad	Buffalo
Clark, Helen Scureman	1917 Ag	Kingston, Pa.
Clark, Helen Sophia	1919 Ag	Munnsville
Clark, Hollis Harrison	1917 Ag	Warsaw, N. J.
Clark, John Griffith	1918 Ag	Fairport
Clark, John Harrison	1918 Ag	Schoharie
Clark, Lee Hinchman	1918 A (Chem)	Brooklyn
Clark, Margaret Kimber	1919 A	Fulton
Clark, Marie	1919 Ag	Watkins
Clark, Oliver R., A.B.	1918 L	Farmington, Utah
Clark, Raymond Gordon	1919 C	Washington, D. C.
Clark, William Cornwall	1917 A	Fredonia
Clark, William Jerome, jr.	1918 M	Chicago, Ill.
Clarke, Charles Frederick	1916 M	Chicago, Ill.
Clarke, Clement Steele	1920 M	Shreveport, La.
Clarkson, Albert Batchelder	1919 C	Newburyport, Mass.
Clary, Austin James	1919 Ag	Waterloo
Clary, Francis Joseph	1917 L	Seneca Falls
Clawans, Edward	1916 C	Newark, N. J.
Clay, Léon Gilbert	1920 C	New Orleans, La.
Clear, Robert Leroy	1919 Ar	Balboa Heights, C. Z.
Cleary, Martin Joseph	1916 A	Ithaca
Cleaver, Robert Stephen, B.Sc.	1916 M.D. (N. Y. C.)	Schuylerville
Cleaver, Thoburn Grant	1919 M	Richmond Hill
Cleaves, Henry White	1917 Ag	Meadowbrook
Clement, Maynard Sackett	1918 Ag	Albany
Cleminshaw, Russell Higbee	1916 M	Cleveland, O.
Cleminshaw, William Holbrook, jr.	1919 M	Cleveland, O.
Cleveland, Lloyd Smith	1917 A	Endeavor, Pa.
Cleves, Ruth Lewis	1916 Ag	Binghamton

Clinton, Charles Lewis	1919 A	Ithaca
Clynes, James Joseph	1917 Ag	Ithaca
Cobb, Robert Harris	1916 A, Grad	Tyler, Texas
Cochran, Thomas Fletcher	1919 C	East Orange, N. J.
Cochrane, Charles Francis	1917 Ag	Ripley
Cockcroft, Donald Griswold	1919 C	Northport
Cocks, Stephen Arnold, A.B.	Grad	Port Washington
Coe, John Sherman	1918 M	Waterbury, Conn.
Coe, Reginald Henley	1919 M	Medina
Coe, Wayne Walter, B.S.	Spec Ag	Portland, Ore.
Coffin, Kenneth Ford	1919 Ar	Somerville, N. J.
Coggins, Charles Paul	1919 C	Avalon, Pa.
Cohen, Dudley Crawford	1918 A	Brooklyn
Cohen, Emanuel M.	1917 M	Brooklyn
Cohen, Harold	1919 A	Rockville Centre
Cohen, Harry, M.D.	Spec M.D. (N.Y.C.)	New York City
Cohen, Hermann Nadd	1919 Ag	Brooklyn
Cohen, Israel	1917 A	Monticello
Cohen, Jeannette	1918 A	Norton, Va.
Cohen, Julian Seeman	1918 A (Chem)	New York City
Cohen, Morris Gilbert	1919 C	Monticello
Cohen, Reuben Michael	1917 Ag	Brooklyn
Cohen, Samuel Arnold	1919 C	Brooklyn
Cohn, Philip	1918 Ag	New York City
Colby, Myron Edward	1919 A (Chem)	Gouverneur
Colby, Whitney Coffin	1918 M	Montclair, N. J.
Cole, Glen Walker	1918 A	Corning
Cole, Harold	1916 M	Saginaw, Mich.
Cole, Howard Irving, B.Chem.	Grad	New Rochelle
Coleman, George Kadel	1917 M	Westville, N. J.
Coleman, John Milton	1920 C	Philadelphia, Pa.
Coleman, Roland Warner	1916 Ag	Piermont
Collacott, Robert Hover	1919 A	Painesville, O.
Collett, Harry Arthur	1918 M	Baltimore, Md.
Collin, Henry Arthur	1918 M	Plattsburg
Collins, Alfred Stuart	1918 C	Buffalo
Collins, Carlton Palmer	1916 A	Stamford, Conn.
Collins, Wallace Hardison	1918 M	Tulsa, Okla.
Collyer, John Lyon	1917 M	Chelsea-on-Hudson
Colman, Charles Edward	1917 A	LaCrosse, Wis.
Colony, Myron Wesley	1918 A (Chem)	Bronxville
Colorado, Rafael Antonio	1917 L	San Juan, P. R.
Colpoys, Lewis Howard	1916 M	Niagara Falls
Colsten, Ronald	1918 Ag	Binghamton
Colucci, John Anthony, B.A.	1916 M.D. (N.Y.C.)	New York City
Combs, George Hunt	1919 M	Trenton, N. J.
Combs, Gladys Kruger	1916 A	Rockville Centre
Combs, Willis Becker	1917 Ag	Ithaca
Comings, William Daniel	1918 Ag	Middletown
Compton, Ralph Osgood	1917 M	Brooklyn
Comstock, Charles Ward	1918 Ag	Yorkville
Comstock, Frederick Theodore	1916 A, 1919 M.D.	South Glens Falls
Conable, Walter Ford	1919 M	Jamaica
Conant, John Kennard	1918 M	Upper Montclair, N. J.
Conant, Melvin Abbott	1918 A	Upper Montclair, N. J.
Condon, William Joseph, M.D.	Spec M.D. (N.Y.C.)	Susquehanna, Pa.
Conger, Sidney Barnett	1918 M.D. (N.Y.C.)	Akron, O.
Conger, Jay, jr.	1916 C	Groton
Congdon, Clem Harris	1916 M	Philadelphia, Pa.
Conine, Paul Sinclair	1917 Ag	Bath
Conklin, Elbert Ernest, jr.	1918 Ag	Syracuse
Conklin, Harold Welcher	1916 A	Penn Yan
Conklin, Henry Ernest, A.B.	Grad	Roslyn
Conklin, Raymond LeRoy	1917 V	Norwich
Conklin, Ruth Daniels	1919 A	Joplin, Mo.
Conklin, Walter Irving	1918 V	Roslyn
Conklin, Willis Ackerly	1916 Ag	Brooklyn
Conkling, Lester Jay	1916 A	Middletown
Conlan, Margaret Geraldine	1918 A	Johnstown
Conley, William Murray	1919 Ag	Ithaca
Conlin, Henry Joseph, A.B., B.Chem.	Grad	Glens Falls
Connell, Catharine Casta	1918 A	Poughkeepsie
Conner, Henry Waddell	1917 Ag	Great Falls, Mont.
Connolly, Paul Tehan Ignatius	1918 V	Syracuse
Connor, Edwin Irving, jr.	1917 Ag	White Plains
Conroy, James Joseph	1917 L	Albany
Conroy, Mary Agnes	1919 A	Hilton
Constam, Henry Laurens	1918 M	Baltimore, Md.
Constans, Frank Schille	1919 C	Chicago, Ill.
Contreras, Rubén Julian	1919 C	Mexico City, Mex.
Cook, Adelaide Helen	1918 A	Washington, D. C.

Cook, Eaton	1919 Ar	Dover, N. H.
Cook, Elizabeth Rose	1919 Ag	Albany
Cook, Harold James	1919 A (Chem)	Schenectady
Cook, James Richard	1920 C	Gloversville
Cook, Sidney Albert, B.A.	Grad	New Haven, Conn.
Cooke, Donald Dunlop	1916 M	Paterson, N. J.
Cooke, Everett Brownell	1917 M	Paterson, N. J.
Cooke, Gaylord Keel	1918 V	Berkeley, Cal.
Cooke, Thomas Turner	1916 A (Chem)	Orange, N. J.
Cookingham, Waldo Beale	1916 Ag	Ellenville
Cool, Willard Cameron	1916 Ag	Pittston, Pa.
Cooledge, Edwin Martin	1918 A	Atlanta, Ga.
Cooney, (Mrs.) Margaret Sheerin, A.B.	Grad	Ithaca
Cooper, Charles Stuart	1917 Ag	Philadelphia, Pa.
Cooper, Dorothy Jean	1916 Ag	Ithaca
Cooper, George Leo	1916 Ag	New York City
Cooper, James Austin, jr.	1916 C	Brooklyn
Cooper, Joseph Saul	1917 C	New York City
Cooper, Lester Marcus	1918 Ag	Cortland
Corbin, Arthur Foster	Spec Ag	Gouverneur
Corby, George Bentley	1918 A	Honeoye Falls
Corcoran, Edward Stephen	1917 M	Interlaken, Mass.
Core, John Calvin, jr.	Spec A	Uniontown, Pa.
Corle's, Grace Henrietta	1919 A	Brooklyn
Corliss, Louis Fisk	1917 M	Brooklyn
Cormack, Clarence Elphinstone	1917 A (Chem)	Silver Creek
Cornell, Elsa Cosette	1916 A	Cambridge
Cornell, Nelson Warren	1918 A	Chemung
Cornish, Clement Hutchinson	1916 Ag	Trenton, N. J.
Cornish, Ina May	1918 Ag	Ithaca
Cornwell, Ralph Thomas Kline	1918 A (Chem)	Northumberland, Pa.
Corregan, Frank Gerow	1917 Ag	Oswego
Corrigan, John Potwin	1919 M	Pittsburgh, Pa.
Corrington, (Mrs.) Florence Lorena	Spec A	Ithaca
Corrington, Julian Dana, A.B.	Grad	Ithaca
Cortright, Oron Rhodes	1919 Ag	E. Stroudsburg, Pa.
Corwin, Charles Dudley, M.E.	Grad	Cortland
Corwith, Howard Post	1916 M	Water Mill
Corwith, James Carlton	1916 Ag	Water Mill
Corwith, William Henry	1919 L	Rockville Centre
Cory, Alfred Richards	1917 A	Jamestown, R. I.
Cosline, Hugh Lewis	1918 Ag	Springville
da Costa, Oscar Machado	1916 C	Rio de Janeiro, Brazil
Coston, Laila Ann, A.B.	1919 M.D.	Scranton, Pa.
Cota, Alejandro R.	1916 M	Mazatlan, Sinaloa, Mexico
Côté, Georges	Spec A	Quebec, Canada
Cottle, Frances Marian	1919 A	Constable
Cotton, Dorothy Annie	1918 Ag	Ithaca
Cotton, Richard Thomas, B.S.	Grad	Ithaca
Cotton, Stanley William	1916 Ag	Ithaca
Cottrell, Edwin Harrison	1919 M	East Orange, N. J.
Couchman, Carl Spencer	1918 M	Chicago, Ill.
Coughran, Edwin Knowlton	1916 A	Akron
Coulter, Clarence Dally	1918 M	Oil City, Pa.
Coulter, William Adams	1917 M	Bridgeport, Conn.
Coupe, Florence Elizabeth	1919 Ag	Utica
Courant, Juliette Mac Monnies	1916 A	Brooklyn
Coursen, Ronald Chester	1917 M	Salisbury, Md.
Courtney, John Howard	1917 C	Union Springs
Courtney, William Francis	1918 M	Ithaca
Cousens, Clayton Worth, A.B.	1918 L	Honolulu, T. H.
Coutant, Albert Francis, B.S., A.M.	1917 M.D. (N.Y.C.)	Valley Cottage
Coutinho, Ramiro da Cunha	1916 Ag	Belém Pará, Brazil
Covell, Abraham Irvine	1916 Ag	Bronx, New York City
Covey, Kenneth Sydney	1918 Ag	Oneonta
Coville, Perkins	1918 Ag	Ithaca
Cowan, Ralph Waldo Emerson	1916 Ag	Ithaca
Cowan, Walter Griffin	1917 Ag	Hobart
Cowdrick, Myrl (Miss)	1919 A	Williamsport, Pa.
Cowell, Thomas Charles	1920 M	New York City
Cowhill, Clara Eve-yn	1918 A	Brooklyn
Cowles, Edwin	1916 M	Cleveland, O.
Cowles, Frank Hewitt, Ph.B.	Grad	Ithaca
Cownie, David Livingstone	1917 C	Buffalo
Cox, Ronald Atmore	1919 A	Baltimore, Md.
Crabtree, George Calvin	1916 M	New Brighton
Crafts, Curtis Stratford	1916 M	Chicago, Ill.
Cragin, Franklin Page	1916 Ag	Buffalo
Craig, Howard Reid, B.A., M.A.	1919 M.D. (N.Y.C.)	New York City
Craig, John Wesley	1919 A	Portland, Me.
Craig, Joseph Eddy Gillingham	1919 C	Rosemont, Pa.

Crampton, William Henry	1919 A	Detroit, Mich.
Crandall, Addison Bradshar	1917 M	Chattanooga, Tenn.
Crandall, Howard	1918 Ag	Ithaca
Crandall, Milton Lee	1917 Ar	Glens Falls
Crandall, Will Giles	1919 Ag	New York City
Crane, Frederick Wilson	1918 C	Buffalo
Crane, Marion Delia, A.B., A.M.	Grad	Providence, R. I.
Crane, Millard Fillmore	1919 C	Orange, N. J.
Crane, Rosetta LaVerne	Spec Ag	Cincinnati
Crane, Walter Bra nard	1918 Ag	Dover Plains
Cranmer, Julian Thomas	1919 Ag	Sheshequin, Pa.
Craver, Lloyd Freeman, A.B.	1918 M.D. (N.Y.C.)	Albany
Crawford, Stanley Ernest, M.D.	Spec M.D. (N.Y.C.)	Pittsburgh, Pa.
Creal, Harold Leroy	1919 Ag	Jamestown
Crim, William Doolittle	1917 Ag	Utica
Crispell, Raymond Solomon	1917 A	Kingston
Crissey, John Charles	1917 Ag	Glenwood, N. J.
Critchlow, Howard Thompson, C.E.	Grad	Prospect, Pa.
Crocco, Albert Richard	1916 Ag	Brooklyn
Crocco, Walter Cyril	1918 Ag	Brooklyn
Crocheron, LeRoy Edge	1916 L	New York City
Crook, Clement Earl	1916 C	Wheeling, W. Va.
Cropsey, Jaques Van Brunt	1917 M	Brooklyn
Crosby, Birdina, B.S.	1917 M.D. (N.Y.C.)	Brocton
Crosby, Milton Elwood, B.S.	1916 M	Minneapolis, Minn.
Crosby, Willard McNeil, B.S.	Grad	Ithaca
Crosley, Archer Phlegar	1916 Ag	Oak Lane, Pa.
Cross, Arthur Lown	1919 A	South Orange, N. J.
Cross, George Ernest	1919 M	Sterling, Pa.
Cross, Gerald Francis	1919 M	Indian Lake
Cross, Lowell Harold	1919 A	Sterling, Pa.
Crossan, Filbert Porter	1919 A	Philadelphia, Pa.
Croucher, Altus Potter	1917 M	Newark
Crowell, Harold Olin	1917 Ag	Centerville
Crowell, Melvin Gleason, A.B., A.M.	Grad	Belfast
Crowley, Jeremiah Anthony	1918 Ag	Arlington, Mass.
Cruickshanks, Fred	1918 V	Ferndale, Cal.
Crump, Edmund Michaux, B.A.	1918 C	Richmond, Va.
Cuervo y Troy, José Faustino	1918 Ag	Ithaca
Cufle, Frances Isabel	1917 A	Watertown
Cufle, Frederic William	Spec M	Toronto, Can.
Culbertson, Albert Lewis	1917 A (Chem)	Mt. Vernon, O.
Culkin, William Anthony	1918 A	Duluth, Minn.
Culligan, Leo James	1919 M	Ithaca
Cullinan, Frank Patrick	1917 Ag	Stanley
Cullinan, William Howell	1916 A	Madison, N. J.
Cummings, Edward	1917 C	New York City
Cummings, James Howell, jr.	1919 A	Philadelphia, Pa.
Cunneen, Wallace Vincent	1919 A	Port Jervis
Cunningham, John Weeks	1919 M	Yonkers
Curran, Arthur Bernard	1916 L	Clyde
Curtis, Frank Reid	1916 L	Brooklyn
Curtis, George Graydon	1920 M	Wolcott
Curtis, Howard Joseph	1916 Ag	Deposit
Curtis, Otis Freeman, A.B.	Grad	Oberlin, O.
Curtis, Walter Earle	1919 Ag	Telford, Pa.
Curtis, Will Carlton	1919 Ag	Schuylerville
Curtiss, Leon Francis	1917 A	Naples
Curtze, Frederick August	1918 M	Erie, Pa.
Cushing, Albert Augustus	1917 Ar	Ithaca
Cushing, Edward Raymond	1918 V	Shortsville
Cushman, Harland Burbank	1916 M	Yonkers
Cusic, Anna Elizabeth	1919 Ag	Huntington
Cusick, James Thomas, B.S.	Grad	Ithaca
Cutler, Paul Colman	1918 Ag	New York City
Cutolo, Francis, jr.	1918 A	Jamaica
Cutter, Laurence Starr	1919 A	Cleveland, O.
Cutting, Robert Hill	1919 Ag	Winchester, Mass.
Dahlstedt, Orabel Elizabeth	1919 Ag	N. Tonawanda
Dailey, Bernard Clark	1917 C	New York City
Dain, Bryant Depew	1918 Ag	Peekskill
Dall, Jes Jessen, jr.	1916 Ar	Brooklyn
Dalrymple, David Bennett Hill	1916 V	Otselic
Dalton, James Ward	1918 A (Chem)	Gouverneur
Daly, Victor Reginald	1919 A	Corona
Daly, Walter Phillip	1916 C	Olean
Dalzell, Arthur Herbert	1918 M	Lynn, Mass.
Damsky, Charles David	1917 M	Utica
Dana, Charles Styles	1917 Ag	Kingston
Danenhower, Donald	1917 Ag	Haddonfield, N. J.

Daniels, Francis Wallin	1920 C	Gilbertsville
Dann, Archie Byron, B.S.	Grad	Ithaca
Dann, Hollis Hanford	1917 A (Chem)	Ithaca
Darch, William John	1917 L	Stafford
Dargue, Daniel	1919 C	New York City
Darling, Edna Louesa	1917 Ag	Binghamton
Darling, Lina Reeves	1919 Ag	Binghamton
Darrin, Anthon Forgeau	1918 Ar	Brooklyn
Darrow, Daniel Cady	1916 A	Fargo, N. D.
Darrow, Wayne Hiram	1916 Ag	Lakewood
Daum, Earle Basinait	Spec Ag	Albion
Davenport, Leo John	1919 Ar	Elmira Heights
Davenport, Seymour William	1916 Ag	Elmira Heights
Davidow, Morris	1918 Ag	Brooklyn
Davidson, Benjamin Goodell	1916 M	Sault Ste. Marie, Mich.
Davidson, Harry	1919 Ag	New York City
Davidson, MacGregor	1919 M	Cleveland, O.
Davidson, Philip Langford	1918 A (Chem)	Scranton, Pa.
Davie, Weston Evans	1919 M	Chicago, Ill.
Davies, Arthur David	1917 Ag	Congers
Davies, John Dewi, M.D.	Spec M.D. (N.Y.C.)	Concordia, Kan.
Davies, Niles Meriwether	1916 Ag	Congers
Davis, Alfred Hale	1919 A	Walton
Davis, Arthur Edwin	1919 M	Erie, Pa.
Davis, Asa	1918 Ag	Owego
Davis, Bryan Sterling	1918 Ag	Elmira
Davis, Charles Rexford	1919 Ag	Albany
Davis, David Herman	1917 M	Newark, N. J.
Davis, Donald Gordon	1917 C	Utica
Davis, Edwin Wood, A.B.	Grad	Rochester
Davis, Frank C., M.D.	Spec M.D. (N.Y.C.)	Minneapolis, Minn.
Davis, Frederick Archibald, jr.	1916 Ag	Fort Edward
Davis, Frederick Howard	1920 C	West Buxton, Me.
Davis, George Elton	1917 A	Charlotte
Davis, Helen Bissing, A.M.	Grad (N.Y.C.)	Lincoln, Neb.
Davis, Helen Louise	1917 A	Brooklyn
Davis, Henry Kennedy, A.B., A.M.	Grad	Ithaca
Davis, Herbert Haywood	1917 A	Omaha, Neb.
Davis, Irvin Carlisle	1919 M	Philadelphia, Pa.
Davis, Ralph Currier	1916 M	Mohawk
Davis, Ralph Dayton	1918 M	Port Jefferson
Davis, Rebecca	1919 A	Port Henry
Davis, Russell Joseph	Spec Ag	Harrison
Davis, Ruth Eaton	1917 Ag	Livonia
Davis, Samuel	1918 Ag	New York City
Davis, Thomas Wallis, B.S.	1919 M.D. (N.Y.C.)	Utica
Davis, Victor Hugo, Ph.B.	Grad	Alfred
Davis, William Gurley	1917 M	Mexico
Davison, Lyman Warren	1916 A	Cedarhurst
Davisson, Cyrus Gibson	1917 Ag	Brooklyn
Dawson, George Linton	1918 Ag	Geneva
Dawson, Lester Hansell	1919 A	Brooklyn
Dawson, Louis Welton	1919 Ag	Boonton, N. J.
Day, Emmons Davis	1917 Ag	Ellington
Day, Ezra Halsey	1919 M	Wortendyke, N. J.
Day, Gertrude Luxon, (Mrs.)	1916 Ag	Ithaca
Day, Harold	1917 C	Mexico
Day, Harold Wilder	Spec Ag	Canandaigua
Day, Helen Margaret	1918 A	Buffalo
Day, Ralph Burnette, M.E.	Grad	Ithaca
Dayton, Kenneth	1917 L	Winsted, Conn.
Dean, Archie Leigh, jr., B.S.	1917 M.D. (N.Y.C.)	Brooklyn
Dean, Arthur Hobson	1919 L	Ithaca
Dean, Edna Louise	1919 Ag	Ithaca
Dean, Elizabeth, A.B.	Grad	Falmouth, Mass.
Dean, Gertrude Blanch	1918 Ag	Ithaca
Dean, Louise True	1918 A	Ithaca
Dean, William Lincoln	1918 Ag	New York City
De Andrea, Diletto Joseph	1918 L	Bernardsville, N. J.
Deans, William, jr., M.E.	Grad	Ithaca
Deatrick, Eugene Peyton, A.B.	Grad	Ithaca
De Baun, Milton	1917 L	Haverstraw
Decker, Ford Payne	1920 M	Elmira
Dederer, Elsworth Holman	1916 Ag	New York City
Dederick, Frederic Van Dyck	1917 V	Catskill
Deeds, Harold Trumpler	1918 C	Lima, O.
Deems, Edward Mark, jr.	1919 Ag	New Brighton
Deetjen, Rudolph Henry	1919 Ag	Montclair, N. J.
Degener, Lyda May, A.B.	Grad	Providence, R. I.
DeGraff, Esther Clara	1917 Ag	Amsterdam
De Grange, Joseph Tormey, jr.	1920 M	New Orleans, La.

De Groat, Wilson Fields	1917 M	Nichols
Deibler, Mary Alda	1917 Ag	Shamokin, Pa.
Deitz, Fordyce Charles	1919 Ag	Berne
Deitzel, Willard Henry	1919 A	Wayland
Delahanty, Thomas Washington	1917 A (Chem)	New York City
Delahunt, Dorothy Frances	1918 Ag	Buffalo
Delahunt, Lenore Eleanore	1919 Ag	Buffalo
Delaplane, Channing Le Claire	Spec Ag	Delaplane, Va.
De Lavan, Nelson Breese	1920 M	Seneca Falls
DeMers, William Henry, jr.	1919 A (Chem)	Upper Troy
Deming, June Charlotte	1917 Ag	Elizabethtown
Deming, Robert Treat	1918 A	Elizabeth, N. J.
Demirjian, Hagop Manaug	1918 Ag	Brooklyn
DeMott, Henry Vroom, B.S.A.	Grad	Metuchen, N. J.
Dengler, Clifford Howard	1920 M	New Rochelle
Dengler, Viola Buchert	1917 A	Philadelphia, Pa.
Dennelly, Walter	Spec Ag	New York City
Dennington, Marion Edwin	1916 V	Ithaca
Dennis, Edward Parker, M.D.	Spec M.D. (N.Y.C.)	Erie, Pa.
Denton, Clarence Sheldon	1918 Ag	Wingdale
De Porte, Barbara Vital	1917 A	Ithaca
De Porte, Joseph Vital, A.B., A.M.	Grad	Ithaca
Derham, Joseph John, jr.	1917 M	Rosemont, Pa.
Derham, Philip Aloysius	1919 M	Rosemont, Pa.
Derrick, George Webster	1917 V	Jordan
Derrick, Karl Townsend	1918 Ag	Ithaca
Desson, Leonard Joseph	1918 V	Troy
Detweiler, Peter Charles	Spec M	Temple, Pa.
DeVany, Norma	1918 Ag	Ellenville
Dewey Hartley Greaves, B.S.	1918 M.D. (N.Y.C.)	Schenectady
DeWitt, Earle Stewart	1919 C	Hammondsport
DeWitt, John	1917 C	Parshall, Col.
DeWitt, Madolin	1919 A	Lima
Dewson, Inglee Ball	1918 Ag	Maplewood, N. J.
Dexter, Carlos von L.	1919 Ag	New York City
Diamond, Benjamin	1919 A	New Brighton
Diamond, Joseph Henry	1919 A	New Brighton
Diamond, Michael Saul	1917 Ar	New Brighton
Dibble, George Turner	1918 Ag	Lima
Dicker, Edward Eugene	1919 L	Ithaca
Dicker, Harry Aaron, A.B.	1917 L	Ithaca
Dickey, Marie Therese Genevieve	1918 A	Ithaca
Dickins, George Francis	1919 M	Portsmouth, N. H.
Dickinson, Prescott Reuben	1917 A	Bangor
Dickson, Bertram Thomas, B.A.	Grad	Brantford, Can.
Dickson, George Manville	1918 M	Scranton, Pa.
Dickson, Helen Kathryn	1919 A	Angelica
Diederichs, Hugo N.	1917 M	Dolgeville
Diehl, Leola Marvin	1919 A	Cresskill, N. J.
Diehl, Susan	1919 A	Schenectady
Diel, Agnes Catherine Elizabeth	1919 Ag	New York City
Diercks, Henry Conrad	1916 A (Chem)	Grantwood, N. J.
Dietrich, Arthur Max	1918 C	Newark, N. J.
Dietrich, Charles William, jr.	1919 M	Brooklyn
Dietrich, Henry	1917 Ag	Schenectady
Dikeman, Raymond Charles	1919 Ag	Forestville
Dilts, Douglas Schulhaus	1917 Ag	Lambertville, N. J.
Dimijian, Aram Houssig	1917 C	Adahazar, Turkey
Dimmick, Forrest Lee, A.B.	Grad	Ithaca
Dinnerstein, Nathan	1917 C	Brooklyn
Dittman, Charles Emanuel	1919 M	Waynesburg, Pa.
Dittmar, Albert Louis	1919 C	Williamsport, Pa.
Divine, Walter Eber, B.S.	1918 M.D. (N.Y.C.)	Brooklyn
Divvens, Albert Braden	1919 Ag	Pittsburgh, Pa.
Dix, Edgar Hutton, jr., M.E.	Grad	Baltimore, Md.
Dixon, John Edward	1916 L	Ithaca
Dixon, Russell F.	1917 Ag	Boonton, N. J.
Dixon, Thomas Woolstone	Spec Ag	Brooklyn
Dixon, Wesley Moon	1918 A	Oak Park, Ill.
Doan, Joseph Ellsworth, jr.	1919 Ar	Coatesville, Pa.
Dobrosky, Ernest Daniel	1917 A (Chem)	Yonkers
Dodge, Frederick Perkins	1919 A	Toledo, O.
Dodge, Harold McKendree	1919 A	Rockland
Dodge, Ruth Lucinda	1918 Ag	Massena
von Doenhoff, Dorothea, A.B.	1919 M.D.	New York City
Doerr, Edwin Philip	1918 Ar	Chicago, Ill.
Doetsch, Clara Louisa	Spec Ag	Hamburg
Doetsch, Irving Haier	1917 Ag	Hamburg
Doggett, William Henry	1917 Ag	Dedham, Mass.
Dohrmann, William Frederick	1919 M	Greenfield, O.
Doing, Mahlon Benjamin	1916 L	Brooklyn

Dole, John Luther	1918 A	Chicago, Ill.
Dolson, Guy Carleton Bayley	1918 A	New Paltz
Donabue, William Bernard	1918 Ag	New York City
Donaldson, Cortlandt Beekman	1918 M	Grantwood, N. J.
Donaldson, Herbert Lansing	1917 A	Malone
Donlon, Joanna Margaret	1918 A	Utica
Donnelly, Norman Earle	1919 M	Brooklyn
Doolittle, Sidney Clark	1918 Ag	Utica
Doremus, Russell Jacobus	1919 C	Newark, N. J.
Dorrance, Neil Hill	1918 A	Camden
Dorsey, John George, B. S.	1916 C	Detroit, Minn.
Dorsey, Moses Hyghdeen	1916 Ag	Binghamton
Doty, Kenneth McIntyre	1919 Ar	Geneseo
Dougan, Edward Hartley	1918 M	New York City
Dougher, James Albert	1917 Ar	Spokane, Wash.
Dougherty, Holden Manchester	1918 A	Evanston, Ill.
Dougherty, John Augustus	1919 L	Ithaca
Douglas, Damon Greenleaf	1919 C	Richmond Hill
Douglass, Herbert Stiles	1918 Ag	Cape May Court House, N. J.
Douglass, Will A., A.B.	Grad	Ithaca
Dowd, John Donald	1917 A	Salamanca
Dowling, Cloyd James	1919 L	Ithaca
Downer, Ira Norman	1918 Ag	Orange, N. J.
Downing, Frank Guignon	1919 Ag	Richmond Hill
Downing, Frederick Baxter	1916 A (Chem)	Woodhaven
Downing, Robert Benjamin	1918 Ag	Avon
Downs, Lucibel Irving	1919 A	East Quogue
Doyle, Frank	1919 L	Akron, O.
Drabelle, Philip George	1917 Ag	St. Louis, Mo.
Drago, Louis	1919 L	Brooklyn
Drake, Elizabeth Mary	1919 A	Brooklyn
Drake, Frederic Dalton	1919 Ag	Buffalo
Drake, Frederick Lewis	1919 Ar	Hazleton, Pa.
Drake, Lloyd Benjamin, Ph.B., A.B.	Grad	Erin
Drake, Russell Raymond	1919 Ag	Dunkirk
Drake, William Kenyon	1916 Ar	Kingston
Drescher, Herbert Carlton	1918 L	Brooklyn
Drescher, Theodore Bausch	1918 M	Rochester
Dresser, Ivan Chandler	1919 A	Ithaca
Driscoll, James Francis	1917 C	Ithaca
Driscoll, Lucy Angela	1917 Ag	Ithaca
Driver, Wilbur J.	1918 M	New York City
DuBois, Lester Wells	1918 M	Brooklyn
DuCasse, Francis Kilian	1918 A (Chem)	New York City
Duckham, William Albert	1917 Ag	Pittsburgh, Pa.
Duffies, Edward Lowe	1919 C	Washington, D. C.
Dugan, Thomas Henry, jr.	1917 A	New York City
Dunbar, Clarence William	1918 Ar	Cleveland, O.
Duncan, Charles Eugene	1918 V	Brooklyn
Duncan, Gilbert Wade	1919 M	Pittsburgh, Pa.
Duncan, John Collamer, jr.	1919 A	Mechanicsville
Duncan, John Howard	1919 A	Brooklyn
Dunham, Carroll Kenneth	1918 Ag	Portland, Me.
Dunham, Cleon Leslie, jr.	1917 Ag	Lebanon
Dunham, DeWitt Upham	1917 Ag	Lebanon
Dunlap, Harry Wade, jr.	1918 A	Pittsburgh, Pa.
Dunlap, Vining Campbell, A.B.	Grad	Bowdoinham, Me.
Dunn, George William	1918 L	Rensselaer
Dunn, Hazel Sarah	1919 Ag	Ithaca
Dunn, Percy Lawrence	1919 Ag	Ithaca
Dunnegan, John	1916 A	Bolivar, Mo.
Dure, Henry Franklin, 3d	1916 A (Chem)	Wilmington, Del.
Durfee, Dorothea Diana	1919 Ag	Batavia
Durfee, Rufus Lee	1917 A	Binghamton
Durham, Frank Judge	1916 A	Chicago, Ill.
Durham, Richard Ferris	1919 A	Greenville, S. C.
Durkan, Thomas Martin	1916 M	Skaneateles
Durland, Charles Clark	1916 A	Middletown
Durr, Eugene Blakely	1917 A	Taylorville, Ill.
Durrant, Arnold Stuart, jr.	1919 A	Albany
Duryea, Beatrice Louise	1917 Ag	Lestershire
Dutcher, Frederick Harris	1917 M	Montclair, N. J.
Dyckman, Richard Pluymert	1919 A (Chem)	Orange, N. J.
Dye, Harry Wilmer, B.S.A.	Grad	New Matamoras, O.
Dye, Marvin Rood	1917 L	Forestville
Dyer, Clarence Herbert	1916 M	Berkeley, Cal.
Dynes, Oliver Wesley, B.S., M.S.A.	Grad	Fargo, N. D.
Eagle, Bryan Munroe	1919 Ag	Little Rock, Ark.
Eakle, Edward Harmon	1918 A	Washington, D. C.
Eakle, John Chester	1917 Ar	Washington, D. C.

Earle, Charles Bull	1919 A	Mt. Vernon
Earnshaw, Ralph	1917 M	Manila, P. I.
Eastham, Amy Ruth, A.B.	Grad	Spencer
Eastlach, Joseph O'Leon	1919 Ag	Woodbury Heights, N. J.
Eastman, Moses Gale, B.S.	Grad	Laconia, N. H.
Eastman, Roger	1918 Ar	Orange, N. J.
Eastman, Roger Gannett	1919 Ag	Belleville
Eastman, William Bently	1917 Ag	Belleville
Eastman, William Henry	1917 A	Saginaw, Mich.
Eastwick, Joseph Lees	1918 A	Morristown, Pa.
Eaton, Harry Augustus Fricka	1916 Ag	Philadelphia, Pa.
Eaton, Orson Northrop	1917 Ag	Camden
Ebaugh, Lionel Albert	1917 M	Bellevue, Pa.
Ebberts, Alfred Raymond	1918 A (Chem)	Pittsburgh, Pa.
Ebersole, Chapman	1917 A	Cincinnati, O.
Eckhardt, Albert John	1919 A	Woodhaven
Eckley, Harold James	1918 M	New Rochelle
Eckley, Paul Witherspoon	1917 A	New Kensington, Pa.
Eddy, Wilton Nathaniel	1916 M	Jamestown
Edminster, Frank Custer, A.B.	Grad	Ithaca
Edmunds, Robert Curliss	1918 C	Denver, Col.
Edson, Laurence Dunbar	1918 Ag	Germantown, Pa.
Edwards, Clifford Conklin	1916 A	East Hampton
Edwards, Faye Lenore	1918 A	Ithaca
Edwards, Harry Moore, jr.	1918 M	Glen Ridge, N. J.
Edwards, James Leland	1917 Ag	Passaic, N. J.
Edwards, John Chubbuck	1919 A	Passaic, N. J.
Edwards, Louis Robert Joseph	1917 A	Salt Lake City, U.
Edwards, Marguerite Warren	1918 A	Patchogue
Edwards, Robert Burr	1919 A	Omaha, Neb.
Edwards, Robert Fielding	1917 C	Brooklyn
Egan, Harold Aloysius Joseph	1919 C	New York City
Egan, Jean Honora	1918 A	Newark
Egbert, John Peter	1918 Ag	Ithaca
Eger, Bernard Albert	1918 Ag	Walton
Eggers, Alan Louis	1919 L	Summit, N. J.
Eggleston, Jere Dudley	1916 A	Meriden, Conn.
Ehlers, Joseph Henry, B.S., M.S. in E.E.	Grad	Hartford, Conn.
Ehrhart, Wilbur Wenke	1919 A	Pittsburgh, Pa.
Ehrlicke, Karl Nicholas	1918 Ag	Albany
Eichler, Curt	1917 Ag	New York City
Eilenberger, Charles Frank	1916 C	Middletown
Eilenberger, John Thomas	1918 M	Middletown
Eisele, Werner William	1916 Ag	New York City
Eisenbeis, Edwin Alvin	1916 A	Pittsburgh, Pa.
Eisenbeis, Herbert Oscar	1918 A	Pittsburgh, Pa.
Eisenbrandt, Frederick Henry	1918 C	Baltimore, Md.
Eisenbrown, Robert Wentzel	1916 Ag	Reading, Pa.
Eisenstein, Isadore	1919 L	Newark, N. J.
Elder, Ernest Exley	1916 M	Malone
Eldred, Arthur Rose	1916 Ag	Rockville Centre
Eldridge, John Adams, B.A.	Grad	Takoma Park, D. C.
Eldridge, Wm. Charles	1919 Ag	Takoma, D. C.
Elegant, Louis	1919 C	New York City
Ellenberger, Howard Bowman, B.S.A., M.S. Agr.	Grad	Ithaca
Elley, Harold Walter, B.Sc., M.A.	Grad	Madison, Neb.
Elliott, Adelaide Hayward	1919 A	Dayton, O.
Elliott, George Frederick, B.S.	1916 M	Pittsburgh
Elliott, William Perry	1919 A	New Berlin
Ellis, Bertha Maude	1916 A	Lockport
Ellis, Henry Roemer	1918 V	New Hartford
Elmendorf, Hugh Merle	1917 M	Ithaca
Elmer, Charles Wellington	1919 A	Ithaca
Elsas, Norman Emerson	1918 M	Atlanta, Ga.
Elston, Ellsworth David, A.B., A.M.	Grad	Ithaca
Elwood, Edwin Ellis	1919 Ag	Fort Plain
Ely, Berten Eben	1916 Ag	Rome
Ely, Henriette Prudence	1918 A	Aurora
Emanuel, Victor	1919 A	Dayton, O.
Emerson, Alfred Edwards	1918 Ag	Highland
Emerson, Stuart Baker	1916 Ag	Lebanon, N. H.
Emerson, Willard Ingham	1919 Ag	Highland
Emich, Harris Crawford	1917 M	Arlington, Md.
Engel, Louis Abraham	1918 A (Chem)	Brooklyn
Engelder, Carl John, A.B., B.Chem.	Grad	Ithaca
English, Gwendolen	1916 A Grad	Rochester
English, Leah	1918 Ag	Ithaca
Ennis, Charles	1919 Ag	Lyons
Ennis, George Sparks	1916 Ag	Lyons
Ennis, Hugh John	1917 Ag	New York City
Eno, Gladys Rudd	1919 A	Elmhurst

Ensor, Elwood Bryan	1918 V	Mt. Washington, Md.
Ensworth, George Frederick	1919 M	Westfield, Mass.
Eppenstein, James Franks	1919 A	Elgin, Ill.
Eppler, Charles, jr.	1916 C	New York City
Epstein, Nathan	1916 Ag	Brooklyn
Erbe, Gustave, jr.	1919 A	Rochester
Erdman, Joseph	1918 V	N. Tarrytown
Erickson, Lawrence, B.A.	Grad	Litchfield, Minn.
Ernst, Lester	1917 Ar	Mendon
Erskine, Archibald Mortimer, B.Chem.	Grad	New Brighton
Erskine, William Hollingsworth	1919 Ar	Montclair, N. J.
Ertman, Vincent Albert	1919 Ar	Herkimer
Erwin, George Lemuel, jr.	1917 M	Kalamazoo, Mich.
Eschweiler, Carl Ferdinand	1918 Ar	Milwaukee, Wis.
Eschweiler, Theodore Lincoln	1919 Ar	Milwaukee, Wis.
Escoll, Morris Julius	1916 Ag	Brooklyn
Esser, Verner Herman	Spec Ar	Milwaukee, Wis.
Estabrook, Fred Tripp	1916 M	Odessa
Estabrook, Harold Charles	1917 M	Odessa
Estey, Stephen Merritt	1919 Ag	Manlius
Esty, Charles Glenn	1919 M	Belleville
Etshokin, Louis, A.B.	1917 M	Kewanee, Ill.
Etz, Katharine	1917 Ag	Hornell
Eulenstein, Hildegard	1917 A	Brooklyn
Evans, Arthur Lewis, A.B.	Spec L	Remsen
Evans, Earl Radford	1919 M	Great Barrington, Mass.
Evans, Fred Robert	1917 Ag	Turin
Evans, Frederic Charles	1919 M	Great Barrington, Mass.
Evans, Harold James	1917 Ag	Lebanon
Evans, Paul DeMund, A.B., A.M.	Grad	Ithaca
Evans, Robert Gilliford	1919 A	Columbus, Neb.
Evans, Russell Beaumont	1918 Ag	Paterson, N. J.
Evarts, Howard Mortimer	1919 M	Buffalo
Everhard, Robert Holloway	1919 L	Canton, O.
Everitt, John Samuel	1917 Ag	Sayre, Pa.
Ewing, Edward Raymond	1919 M	Norwich Town, Conn.
Ewing, James Allen	1919 L	Youngstown, O.
Extance, William Levi, jr.	1918 M	Brooklyn
Eyer, John Robert	1917 A	Greenville, O.
Eyrich, Paul Reber	1919 M	Phoenixville, Pa.
Faber, Henry Alonzo Monfort	1919 A	Jamaica
Fackiner, Lester Harvey	1919 C	West Summit, N. J.
Fahy, Charles Harold	1916 C	Rochester
Fairchild, Edwin Bradley	1919 A	Massapequa
Faith, Irma Helen	1917 A	New York City
Falconer, Cyrus, A.B.	Grad	Darling, Pa.
Falk, Frederick, M.D.	Spec M.D. (N.Y.C.)	Seattle, Wash.
Fanning, Edith Dean	1917 A	Whitestone
Fanning, Winthrop Coit	1916 C	Whitestone
Fanslau, Charles Edward	1917 V	Middletown
Farber, Nicholas Garry	1917 Ag	Hamburg, N. J.
Faris, Edwin Lloyd	1918 M	Brooklyn
Farley, Margretta	1919 Ag	Campbell Hall
Farley, Stephen Raymond	1918 Ag	Oxford
Farnham, Laurence Vivian	1918 M	Owego
Farnham, Marshall Evarts	1917 Ag	Dunkirk
Farnham, William Hursh	1918 A	Buffalo
Farnsworth, Frederick Clarkson	1916 M	New York City
Farnsworth, Thomas Henderson	1918 Ar	Washington, D. C.
Farquhar, Roger Vereker	1918 L	Red Bank, N. J.
Farr, Louis Rothe	1917 C	Detroit, Mich.
Farrall, Bertrice Adelia, A.B.	1916 Ag	Batavia
Farrell, Melissa Belle	Spec Ag	Ithaca
Farrell, Mark Walter	1918 M	Brooklyn
Faulhaber, Florence Alida	1916 Ag	Tuckahoe
Faulkner, Frank LaPierre	1916 Ag	Hancock
Faulks, Wilfred Webster	1917 Ar	Elizabeth, N. J.
Fauvre, Julian Maus	1916 A	Indianapolis, Ind.
Fay, Julius Augustus	1918 Ar	Washington, D. C.
Federman, Louis	1918 Ag	Yonkers
Feehan, Arthur Joseph	1919 Ag	Ithaca
Fegley, Aileen Frances	1919 A	Seneca Falls
Feick, Augustus Lawrence	1916 A	Sandusky, O.
Fein, Pincus	1917 C	Brooklyn
Feldman, Hyman Isaac	1918 Ag	New York City
Feldman, Louis	1916 C	New York City
Felix, Frank Chester	1918 M	Pittsburgh, Pa.
Feller, William	1916 Ag	New York City
Fellows, Haynes Harold, A.B.	1918 M.D. (N.Y.C.)	Troy
Feltman, Jacob	1919 Ag	New York City

Fendick, Harry	1919 L	Olyphant, Pa.
Fennell, Mary Katherine	1918 Ag	Clifton Springs
Ferguson, Albert Barnett	1917 M.D. (N.Y.C.)	New York City
Ferguson, Russell Sweetser	1918 M.D. (N.Y.C.)	New York City
Fernandez-Grau, Francisco, jr., B.L.	1917 C	Cienfuegos, Cuba
Fernow, Karl Hermann	1916 Ag	Waterport
Fernschild, Edward Berent	1919 Ag	New Rochelle
Ferraris, Felix	1916 Ag, 1918 V	New York City
Ferrer, Francisco José	1916 C	Consolacion del Sur, Cuba
Ferris, John Mason	1916 M	Pelham
Ferris, LeRoy	1918 M	White Plains
Fetterolf, Allen Curtin	1919 A	Wyncote, Pa.
Feuerstein, Edward	1919 Ag	New York City
Field, Byron Kenneth	1919 Ag	New York City
Field, Malcolm Hinrichs	1918 Ag	Brooklyn
Field, Rex Everitt	1919 L	Elmira
Fielding, Franklin Roderick, B.S.,	Grad	New York City
Fields, Frank Van Duzer	1918 C	Binghamton
Filby, Ellsworth Lincoln	1917 C	New York City
Fillebrown, Carter	1916 M	Brookline, Mass.
Finch, Frank Rundio	1918 M	Retsos
Finch, Katharine	1918 A	Ithaca
Finch, Ray McAlpine	1918 Ag	Rock Stream
Fine, Abraham	1919 A	Brooklyn
Finegan, Louis Anthony	1918 A	Brooklyn
Finkelstein, Benjamin	1918 V	Brooklyn
Finkelstein, Isador	1917 Ag	Ossining
Finkelstein, Merwin Jesse	1919 A (Chem)	Wellsboro, Pa.
Finkernagel, William Edward	1920 M	New York City
Finklestein, Joseph George	1918 A	Albany
Finlay, Alice Elizabeth	Spec Ag	New York City
Finley, David Henry	1916 C	Kingston
Finneran, J. Leo	1918 A	North White Lake
Fischer, Alfred Elias	1919 Ag	New York City
Fischer, Harold John	1918 M	Buffalo
Fischer, Walter Gordon	1917 Ag	New York City
Fish, Elinor Mary	1919 Ag	Ithaca
Fish, Felix Albert	1919 A	Kansas City, Mo.
Fish, Jay Howell	1919 Ag	Middletown
Fisher, Daniel Carl	1919 Ag	Clarence
Fisher, Donald	1919 M	Weedsport
Fisher, Elizabeth Berger	1918 A	Philadelphia, Pa.
Fisher, Elbert Russell	1919 M	Mt. Tabor, N. J.
Fisher, Gertrude Mae	1918 A	Philadelphia, Pa.
Fisher, Henry Sabine	1917 Ag	Hackensack, N. J.
Fisher, Howard Stockman	1918 M	New York City
Fisher, John Edward	1918 C	Ithaca
Fisher, Leicester Wright	1919 M	Huguenot Park
Fisher, Marion Cornelia	1919 A	Ithaca
Fishman, Benjamin	1919 C	New York City
Fiske, Frederic Ebell, A.B.	Grad	Ithaca
Fistere, Joseph, jr.	1919 A (Chem)	New York City
Fitelson, Jacob	1917 Ar	S. Norwalk, Conn.
Fitzgerald, Donald Duncan	1918 M	Roscoe
Fitzgerald, James William	1919 C	Clayton
Fitzpatrick, Philip Wright	1918 A	St. Paul, Minn.
Flagg, Kenyon Putnam, B.S.	1916 Ag	Albion
Flanigan, George Everett	1917 Ag	Watervliet
Flanigan, John Biddle	1916 A	Yonkers
Flanner, Philip Douglas	1919 Ag	Chicago, Ill.
Flannery, Frank John	1916 A	Pittston, Pa.
Flannery, Harold Arthur	1917 A	Addison
Flannery, Joseph Michael	1918 V	Saratoga Springs
Flather, Alice Virginia	1917 A	Nashua, N. H.
Flegel, Clarence Hubert, B.S.	1916 L	LeRoy, Ill.
Fleming, Edith Cuthbert	1916 Ag	Winnipeg, Can.
Fleming, Howard Fordham	1918 V	Walden
Flemming, Edwin George, LL.B., A.B.	Grad	Buffalo
Fletcher, Robert James	1917 A (Chem)	New Britain, Conn.
Flint, Helen Rosamond Lord	1917 Ag	Ithaca
Flint, Joseph Howard	1920 M	Athens
Flint, Kenneth Stanton	Spec Ag	St. Johnsbury, Vt.
Flitcroft, John Ehret	1916 A	Paterson, N. J.
Flock, Howard Boyer	1917 Ag	Williamsport, Pa.
Flockhart, Marguerite Craig	1918 A	Newark, N. J.
Flood, Edward Paul, A.B.	1917 M.D.	Albany
Floyd, George David, B.S. (Arts), B.S. (E.E.)	Grad	Picton, Nova Scotia, Can.
Flynn, Wm. Francis, B.Chem.	Grad	Ithaca
Föllinger, Alfred Martin	1918 L	Ft. Wayne, Ind.
Fogelman, Raymond	1917 Ag	Passaic, N. J.
Foley, Walter Raymond	1916 Ag	Utica

Folger, Bertrand King	1919 C	Bronxville
Fonda, Albert Dow	1917 Ag	Fonda
Fonda, Cornelia Dockstader	1917 Ag	Fonda
Foot, Benjamin Flagler, A.B.	1916 C	Lockport
Forbes, Finlay	1918 Ag	Berlin, Ont., Can.
Force, Albert William	1919 Ag	Ithaca
Ford, Allen Wescott	1916 A	Lacon, Ill.
Ford, Charles Russell	1919 Ag	Moorestown, N. J.
Ford, Francis	1916 A, 1919 M.D.	Jeannette, Pa.
Ford, Mary Ellen	1919 A	Belfast
Ford, Theodore Richards	1917 A	Morristown, N. J.
Fordham, Daniel Henry, jr.	1919 A	Greenport
deForest, John Wright	1919 L	Brookline, Mass.
Forman, Horace Baker, 3d	1918 Ag	Kitchawan
Forrestel, Emmet Peter	1919 M	Buffalo
Forrester, Edgar Lincoln	1918 Ag	Ogdensburg
Forthoffer, Ernest Rudolf	1916 Ag	Middletown
Fortier, Ernest Cleveland	1918 C	Washington, D. C.
Foss, Frank Kent	1917 A	Chicago, Ill.
Foster, Donald Crofoot	1916 L	Homer
Foster, Fred	1916 Ag	Owego.
Foster, Frederick Vernon	1916 Ag	East Orange, N. J.
Foster, Henry Alden, B.S.	1916 C	S. Orange, N. J.
Foster, Jennie Martha Guthrie	1918 L	Portsmouth, O.
Foster, Richard John, jr.	1916 A	Brooklyn
Foster, Willard Stillwell	1917 C	Rutherford, N. J.
Foster, William Silliman, A.B., Ph.D.	Grad	Water Mill
Foulkes, Louis Sinclair	1916 Ag	Rochester
Foulks, Robert Bryant	1920 M	Canton, O.
Fowler, Almon James	1919 Ag	Wyoming, Pa.
Fox, Daniel Scott, B.S.	Grad	Ithaca
Fox, de Forest Eben	1919 A	Worcester
Fox, James Hicks	1919 Ag	New Rochelle
Fox, Kenneth Clark	1917 Ag	Hancock
Fox, William Alexander	1917 C	Brooklyn
Fraleigh, Percy Austin	1917 A	Poughkeepsie
Francis, Charles Davis	1916 Ag	Ithaca
Francis, Irving Torrence, A.B.	Grad	Ithaca
Francis, Julia Kathryn	1916 Ag	Shamokin, Pa.
Francis, William Bebb, B.S.	1918 V	College Station, Tex.
Frank, Armin Charenton	1917 Ar	Milwaukee, Wis.
Frank, Louis	1919 A	New York City
Frank, Mary Irene	1919 A	Oil City, Pa.
Franklin, George Thomas	1917 L	Ovid
Franklin, John Pearson	1919 A	Muncie, Ind.
Franks, Norvin Harry	1919 M	Chicago, Ill.
Franz, Fred Henry	1916 Ar	Holyoke, Mass.
Franzheim, William Alfred	1918 A	Wheeling, W. Va.
Fraser, Allan Cameron, B.S.	Grad	Buffalo
Fraser, Cuthbert Bancroft	1919 Ag	Buffalo
Fraser, Robert Stewart Menzies	1917 Ag	Burlington, Wis.
Fraser, Russell Andrew	1919 M	New York City
Frederick, Wm. Arthur	Spec Ag	Ithaca
Free, James Fisher	1916 Ag	Brooklyn
Freed, John Melvin, A.B.	Grad	Perkasie, Pa.
Freedman, Louis	1918 A	Sea Cliff
Freeman, Paul Alfred	1916 M	Mendham, N. J.
Freeman, William Roland Miller	1918 Ag	Carthage
Frehse, Bertha Kathryn	1918 A	Westfield
French, Allen Sidney	1917 A	Cincinnati, O.
French, Walter Hoyt	1919 A	Oak Park, Ill.
French, William Gillmore	1918 Ar	Jamaica
Frenkel, Leo Samuel	1918 A	New York City
Freston, Julian Maxwell	1919 A	Milton
Fretz, Helen	1917 A	Pipersville, Pa.
Freudenheim, Mendel Efrath, B.Chem.	Grad	Elmira
Freudenthal, Louis Edwin	1917 Ag	Solomonville, Ariz.
Freund, Joseph	1917 Ag	New York City
Frey, Edward	1917 Ag	New York City
Frey, Jacob Chester	Spec M.	Hammondsport
Freyre, Juan Pedro	1916 C	Havana, Cuba
Frick, Edwin Jacob	1918 V	New York City
Fricke, Richard Felix	1917 Ag	Ebenezer
Friderici, Edwin Daniel	1918 A	Amsterdam
Friedenberg, Benjamin	1917 C	Brooklyn
Friedlander, Frank Victor	1918 A (Chem)	New York City
Friedman, Eli Maurice	1917 A	Massena
Friedman, Max Josiah	1918 A	Pittsburgh, Pa.
Friedrich, John Charles	1919 M	Red Wing, Minn.
Friend, James Albert	1916 A	Milwaukee, Wis.

Fries, Madeline	1918 A	Brooklyn
Frisbie, William Zeh	1916 M	Middleburgh
Frischman, Arthur	1918 A	New York City
Fritchie, Albert Foster	1916 M	Slidell, La.
Fritz, Charles Tuller	1919 Ag	Philadelphia, Pa.
Fritz, William Howard	1916 C	Berwyn, Pa.
Frosch, Valerie Elfrieda	1919 A	Herkimer
Frost, Charles Pearsall	1916 C	Poughkeepsie
Frost, Stuart Ward, B.S.	Grad	Tarrytown
Frost, Wayland Patterson	1917 Ag	Keene, N. H.
Frucht, Nathaniel	1916 M	Brooklyn
Fruchtbaum, Jacob	1917 C	Mohileo, Russia
Frye, Carl Brewer	1919 L	Canton, Pa.
Fuchs, Jacob	1917 C	New York City
Fuchs, Louis	1917 Ag	New York City
Fuchs, Nathaniel	1919 A (Chem)	Brooklyn
Fujikura, Kenjiro	1917 Ar	Tokyo, Japan
Fuller, Albert Goldey	1918 Ag	Brooklyn
Fuller, Harold Van Marter	1918 Ag	Groton
Fuller, James West	1918 V	Springville
Fuller, Lilian Day	1916 Ag	New York City
Fuller, Revilo Franklyn	1917 Ar	Winnetka, Ill.
Fuller, Robert Wesley	1918 V	Cuba
Fulton, Elizabeth Mills	1918 A	Massena
Fulton, Louis, B.S.	Grad	Massena
Funk, Horace Clemmer, Ph.B.	1916 Ag	Palm, Pa.
Funkhouser, William Delbert, B.A., M.A.	Grad	Ithaca
Funnell, Charles Loomis	1916 M	Brooklyn
Funnell, Esther Hawley	1919 Ag	Huntington
Funston, William Howard	1917 Ag	Schuylerville
Furbeck, Bernard R.	Spec Ag	Altamont
Furter, Warner Huszagh	1917 M	Chicago, Ill.
Gabriel, Harry S., B.S.	Spec Ag	Rock Stream
Gaertner, Edward Carl	1917 Ar	Buffalo
Gaertner, Henry Arthur	1918 M	New York City
Gage, George Raymond, B.S., M.S.	Grad	Atlantic City, N. J.
Gage, William Alexander	1918 Ag	Johnsonville
Gager, Howard Winthrop	1920 M	Columbus, O.
Gahnkin, Valentine G.	1916 M	Moscow, Russia
Gail, George William, jr., A.B.	1916 M	Baltimore, Md.
Galanter, Florence Ethel	1917 A	Burlington, N. J.
Galbreath, Calvin Russell	Spec Ag	Street, Md.
Galbreath, Louis Julian	1917 M	Titusville, Pa.
Gale, John Warrington	1917 M	Washington, D. C.
Gale, Manly Mason	1918 Ag	Groton
Gamble, Charles Willard	1919 Ag	Camden
Gamble, Dean	1917 Ag	Ithaca
Gandia, Hector	1919 M	Toa-Bajo, P. R.
Garb, Gerson	1916 Ag	New York City
Garbarino, Joseph Andrew	1917 M	Midvale, N. J.
Gardiner, John Caldwell Corliss	1917 Ag	New York City
Gardner, Braton Richardson	1916 L	Montrose, Pa.
Gardner, Kenneth Huntington	1918 C	Cleveland, O.
Gardner, Willetts Walton, A.B.	1919 M.D.	Centre Moriches
Gargiulo, William Randolph	1917 L	Brooklyn
Garman, Stanley Cortland	1917 Ag	Canisteo
Garmey, Clifford Ronald	1918 M	Brooklyn
Garnjost, Alexander Hamilton	1917 A	Yonkers
Garrett, Robert McDonald	1919 A	Fort Garrett, Ky.
Garver, Paul Leslie	1918 M	Buffalo
Gary, Herbert Laird	1919 M	Ashtabula, O.
Gates, Copeland Ensign	1917 Ag	Kingston
Gates, Edmund Jayne, A.B.	1917 L	Wilkes-Barre, Pa.
Gates, John George	1917 M	Lancaster, Pa.
Gaty, Theodore Emmett, jr.	1918 Ag	Morristown, N. J.
Gavett, Robert Malcolm	1918 Ag	Plainfield, N. J.
Gawlikowski, Thadeus	1918 Ag	Buffalo
Gaylord, Carley Calvin	1919 Ag	Castle Creek
Gayman, Harvey Ellison	1916 Ag	Doylestown, Pa.
Gebhard, John Charles	1920 C	New York City
Gebo, Loren William	1917 Ag	Peru
Gedmin, Joseph	1919 Ag	Kovno, Russia
Geer, Raymond Harold	1919 A	Highland Park, Ill.
Geibel, Edward Mark	1916 C	Greenwich, Conn.
Geibel, Victor Budd	1918 A (Chem)	Greenwich, Conn.
Geisler, Carlyle Dressler, A.B.	Grad	Portland, Ore.
Gelber, Charles	1917 Ag	Brooklyn
Geldenhuys, Frans Edward, A.B., B.S.	Grad	Johannesburg, S. Africa
Gennell, Charles	1918 A	Harrison, N. J.
Genung, Harold Bowman	1918 V	Ithaca

George, Frank	1918 M	Rockaway Beach
George, Salem Shihadeh August, A.B., M.A.	Grad	Philadelphia, Pa.
Georgia, Frederick Raymond, B.Chem.	Grad	Ithaca
Gephart, Frank Curtis, A.B.	Grad (N.Y.C.)	Oskaloosa, Kan.
Gephart, George Frederick	1916 M	Mt. Washington, Md.
Gerber, Gustave Augustus	1917 Ag	New York City
Gerber, Helene Adele Henriette	1919 A	New York City
Gerhart, Ralph Aaron	1916 Ag	Quakerstown, Pa.
German, Frank Oppen	1918 M	Waterbury, Conn.
Germer, Lester Halbert	1917 A	Canastota
Gershovsky, Hyman William	1918 V	New York City
Gershoy, Alexander Morris	1918 Ag	New York City
Gershoy, Leo	1919 A	New York City
Gersten, Julius	1919 L	New York City
Gese, Edward Julius	1916 Ag	Buffalo
Gibbs, Helen Louise	1919 Ag	Ithaca
Gibson, Arthur Edward	1918 Ag	Flatbush
Gibson, Howard Lyon	1919 M	Washington, D. C.
Gibson, Irene Mildred	1918 A	Holley
Gibson, Kasson Stanford, A.B.	Grad	Ithaca
Gidley, Everett Fenton	1919 A (Chem)	Johnstown
Gierke Alfred Gustav,	1917 V	Weedsport
Gifford, Grace Melissa	1918 A	Ithaca
Gifford, Harold Benedict	1919 Ag	Gloversville
Gilbert, Alexander Joseph	1918 Ag	Ogdensburg
Gilbert, Clifford William	1916 Ag	Rodman
Gilbert, Florence Elizabeth	Spec Ag	Ithaca
Gilbert, Winifred Davis	1918 Ag	Elmira
Gilcher, Ralph Jacob	1917 M	Dansville, Ky.
Gilchrist, J. Andrew	1917 Ag	Cooperstown
Gilchrist, Raleigh, A.B. (Chem.)	Grad	Great Falls, Mont.
Gilchrist, Ralph Alexander	1919 L	Yonkers
Gilfillan, Freda Jane	1917 Ar	St. Johnsbury, Vt.
Gilkey, Gladys Fay	1919 A	Ithaca
Gill, Margaret Raymond	1916 Ag	Chattanooga, Tenn.
Gill, Nellie Frances	1919 A	East Stroudsburg, Pa.
Gillam, Gertrude Asenathe	1919 A	Lockport
Gilleran, William James	1918 L	Ellenville
Gillespie, George Earl	1919 A	N. Tonawanda
Gillett, Ida Jane	1919 Ag	Colden
Gillett, Roy Lewis	1917 Ag	Colden
Gillette, Paul	1919 L	Ithaca
Gillies, Frederick Montague	1918 A	Chicago, Ill.
Gilligan, Eugene Francis	1919 L	Brooklyn
Gilman, Charles Frank	1918 Ag	Ithaca
Gilman, Herbert Lester	1917 V	Brooklyn
Gilmartin, Daniel Thomas, Jr.	1918 A	Westfield, N. J.
Gilroy, Walter Emmet	1917 V	Plattsburg
Ginsberg, Hyman	1919 Ag	Brooklyn
Ginsburg, Abram	1919 L	Elmira
Ginsburg, Harry	1916 L	Elmira
Ginsburg, Isaac, B.S.	1919 M.D.	Ithaca
Ginsburg, Samuel	1917 Ag	Brooklyn
Girard, Peter Fred, jr.	1919 C	Plattsburg
Girouard, Joseph Arthur, M.D.	Spec M.D. (N.Y.C.)	Willimantic, Conn.
Gist, Samuel Colver, jr.	1919 Ag	Wellsburg, W. Va.
Glanzer, Philip	1919 Ag	New York City
Glaser, Jerome	1919 A	Sayre Pa.
Glazer, Michael Herbert, A.B.	1917 M.D. (N.Y.C.)	New Haven, Conn.
Gleason, Edmund Humphrey,	1917 Ag	Groton
Gleason, John Mortimer	1919 A (Chem)	Grand Haven, Mich.
Glenzing, William Lex	1918 C	Brooklyn
Glick, Harry Naylor	1916 A	Woodbine, N. J.
Glidden, Charles Clifton	1918 M	Oak Park, Ill.
Globus, Joseph Haim, B.S.	1917 M.D. (N.Y.C.)	New York City
Gluck, Jacob	1917 Ag	Brooklyn
Goddard, Ross Eugene	1919 Ar	Kingston
Godduhn, Arnold Walter	1918 Ag	Jamaica
Goertz, Herbert Arthur	1917 L	Newark, N. J.
Gold, Harry	1919 A	Schenectady
Goldbaum, Jesse Morris	1918 A	Brooklyn
Goldberg, Harry	1918 Ag	Brooklyn
Goldberg, Jacob Samson, A.B.	1918 M.D. (N.Y.C.)	New York City
Goldberg, Joseph	1919 A (Chem)	Brooklyn
Goldberg, Louis	1917 Ag	Coney Island
Goldberg, Myron Isaiah	1917 Ag	New York City
Goldberg, Samuel	1916 M	New York City
Goldberg, Samuel	1919 Ag	Brooklyn
Goldberg, Samuel Alexander, D.V.M.	Grad	Ithaca
Golden, Abraham	1916 A	New York City
Golden, Nelson Garlock	1917 M	Schenectady

Goldfarb, Jacob Milton, A.B.	1918 M.D. (N.Y.C.)	Brooklyn
Goldman, Agnes, A.B., M.A.	Grad (N.Y.C.)	New York City
Goldsmith, Marc S.	1916 A	New York City
Goldsmith, Solomon Lewis	1918 A	Brooklyn
Goldstein, Bessie	1918 A	Buffalo
Goldstein, Joseph	1918 C	New York City
Goldstein, Lemuel Caro	1918 A	New York City
Goldstein, Michael	1919 A (Chem)	Ithaca
Golinko, Israel	1918 A	New York City
Gonzalez, Paulino Joseph	1918 Ag	Chihuahua, Mex.
Gonzales-Rubio, Félix, jr.	1919 Ag	Guayaquil, Ecuador
Goodale, Edgar Clement	1919 Ag	Riverhead
Goodier, Harvey Treadway	1918 Ag	Ithaca
Goodier, Homer Wadsworth	1916 M	Clayville
Goodman, Robert Alex. Barnard	1916 A	Grand Rapids, Mich.
Goodman, William Edward	1917 M	Chicago, Ill.
Goodwin, Arthur Harvey	1918 Ag	Deerfield
Goodwin, Christine Mary	1917 Ag	Berwick, Me.
Gordon, Alexander	1919 Ag	New York City
Gordon, Chauncey Jerome	1919 A	Brooklyn
Gordon, George	1917 C	New York City
Gordon, George Benedict	1919 Ag	Chappaqua
Gordon, James Rufus	1919 A	Chappaqua
Gordon, Robert Bruce	1917 Ar	Brookville, Pa.
Gorman, Neil Archibald	1916 M	Buffalo
Gorsuch, Gertrude Louisa	1917 A	Fork, Md.
Gosline, Mary Helen	1917 A	Aurora
Gothard, Ruth Imogene	1917 A	Memphis, Tenn.
Gotsdanker, Morris	1919 A	Brooklyn
Gottschalk, Louis	1919 A	Brooklyn
Gould, Clifford Morton	1918 A	Horseheads
Grace, Charles Oliver	1917 V	Dundee
Græf, Harry Hutcheson, jr.	1916 M	Seaford
Græffe, Anna Louise	Spec Ag	Brooklyn
Græser, Albert Clarence	1917 A	Charleston, S. C.
Græssle, Howard David	1918 A	Newport, Ky.
Graham, Raymond Dinsmore	1919 Ag	Methol
Graham, Robert Wm., E.E., M.E.	Grad	Carrington, N. D.
Graham, Samuel Alexander, B.S.	Grad	Minneapolis, Minn.
Graham, V. Arvin	1918 A	Richmond, Va.
Graham, William Scott	1916 C	Baltimore, Md.
Grandin, Louise	1918 A	Westfield
Grandy, Clayton Curtiss	1917 A	Cleveland, O.
Granovetter, Joseph	1918 Ag	New York City
Grant, Duncan Ross	1918 Ag	Peru, Vermont
Grant, Robert James	1917 A (Chem)	Buffalo
Grant, Robert Parks, jr.	1918 L	Clayton
Grant, Wilbur Franklin	1918 V	Ithaca
Grantham, Guy Everett, A.B., A.M.	Grad	New Richmond, Ind.
Grantz, Walter Anton Henry	1919 C	Brooklyn
Granville, Grace Madaline	1919 A	Ithaca
Graves, Charles Hicks	1916 Ag	Sunderland, Vt.
Graves, James de Graffenriede	1917 Ar	Washington, D. C.
Graves, Joseph Napoleon	1917 V	Plattsburg
Gray, Donald McKinstry	1919 Ag	Hudson
Gray, Dorothy Millen	1918 Ag	Billings, Mont.
Gray, H. Paul	1917 V	Pine Plains
Gray, Harold Thomas	1916 A	Du Bois, Pa.
Gray, James Andrew	1916 M	Crowley, La.
Gray, James Edward	1918 A	Hamden
Gray, Joseph Howard	1917 C	Buffalo
Gray, Laura Winifred	1919 A	North Troy
Gray, Ralph Chapin	1918 M	Honolulu, T. H.
Grayson, Clifford Barker	1916 A	Chattanooga, Tenn.
Green, Andrew Haswell	1919 Ag	Chicago, Ill.
Green, Eustace Edward, jr., A.B.	1918 Ag	Macon, Ga.
Green, Severn Teackle Wallis	1917 C	Baltimore, Md.
Green, William Stuart	1916 M	Chicago, Ill.
Greenbaum, Emanuel	1919 Ag	Brooklyn
Greenberg, Henry Wolfe	1918 A	Flushing
Greenberg, Isidore Irving	1919 Ag	Jersey City, N. J.
Greenberg, Morris	1916 Ag	New York City
Greenberg, Samuel Charles	1919 C	Brooklyn
Greene, Harry Robert	1918 V	Solvay
Greene, James Heath	1916 Ag	Albany
Greenwald, Charles	1916 A	New York City
Greenwood, Leon Rhodes	1920 Ar	Horseheads
Greenwood, Raymond Crossman	1917 M	Newark
Greenwood, William Barton	1919 Ag	Washington, D. C.
Gregory, Archibald Cyrus Edson	1919 L	Jersey City, N. J.
Greiner, Louis, A.B.	1917 M.D. (N.Y.C.)	New York City

Grenier, Marie Josephine	1917 A	Buffalo
Gresser, Albert Parson	1917 Ag	Brooklyn
Greuter, Rudolf Ernst	1917 M	Saugus, Mass.
Grier, Lucie, B.S., M.S.	Grad	West Palm Beach, Fla.
Griesedieck, Alvin Frank	1916 Ag	Kirkwood, Mo.
Griffen, Ward Orin, B.S.	1917 Ag	Warsaw
Griffin, Edna Mae	1918 Ag	Ithaca
Griffith, Dorothy Elizabeth	1918 A	Chicago, Ill.
Griffith, Fred Crumb	1916 A	Utica
Griffith, Jean Paul	1917 Ag	Chautauqua
Griggs, Edward Reginald	1919 M	Glens Falls
Grimes, Esther	1918 Ag	Philadelphia, Pa.
Grimes, Marcia	1918 Ag	Philadelphia, Pa.
Grimm, Charles Mentel	1919 M	Dayton, O.
Grinnell, Harold Clayton	1919 Ag	Broadalbin
Grinnell, Lloyd Garrison	1916 Ag	Batavia
Grinnells, Claude Delbert	1918 V	Stewart, Minn.
Griscom, Ludlow, A.B., A.M.	Grad	New York City
Griswold, Grace Hall	Spec Ag	Grand Rapids, Mich.
Griswold, Hayden Leavenworth	1916 C	Rocky Hill, Conn.
Griswold, Osmer Lynn	1920 Ar	Painesville, O.
Griswold, Ralph Esty	1916 Ag	Warren, O.
Gromfine, John Jacob	1917 C	Buffalo
Grosklau, Olive	1919 A	Jersey City, N. J.
Gross, Max	1917 C	Brooklyn
Grossman, Jacob	1916 Ag	New York City
Grow, Harold Jennings	1918 M	East Orange, N. J.
Grubb, George Douglass	1918 V	Norwood
Grubnick, Max	1919 Ag	New York City
Grumman, Leroy Randle	1916 M	Huntington
Gubb, Lawrence Edward	1916 Ag	Batavia
Guentert, Leo	1919 Ag	Utica
Guernsey, Mary Ryder	1918 A	Yonkers
Guggenheim, Jack Albert	1918 A	Cincinnati, O.
Guilbert, Richard Thomas	1917 C	Newark, N. J.
Guion, Connie Myers, B.A., A.M.	1917 M.D. (N.Y.C.)	Charlotte, N. C.
Gulden, William, jr.	1919 L	Weehawken, N. J.
Guldi, Walter Edward	1918 M	Sayville
Gunsel, Carl	1918 A (Chem)	Johnstown
Gunther, Walter	1920 M	Mendham, N. J.
Gushee, Marion Washburn	1916 A	Philadelphia, Pa.
Guss, Roland Wilkins, A.B., A.M.	Grad	Middletown, Mass.
Gustin, Daniel Snyder	1919 A (Chem)	Johnstown
Gutmann, Daniel Nast	1917 A	Chicago, Ill.
Gutsell, James Squire, A.B.	Grad	Ithaca
Gutsell, Robert Squier	1916 A, 1919 M.D.	Ithaca
Gutwillig, Bernard Henry	1916 A	Far Rockaway
Gwilliam, Ralph Chambers	1919 A	Ogden, Utah
Gwilliam, Roscoe Chambers	1916 L	Ogden, Utah
Hacker, Theodore Warren	1917 C	Baltimore, Md.
Hackett, George Stuart, jr., A.B.	1916 M.D. (N.Y.C.)	Fayette City, Pa.
Hadaway, William Stratton	1920 M	Montgomery
Hadley, Charles Edward	1919 Ag	Taughannock Falls
Hadley, Charles Harvey, jr., B.S.	Grad	Mansfield, Mass.
Haecker, Julius Henry	1918 A (Chem)	Buffalo
Hagadorn, Maria Louise	1918 A	Canajoharie
Hagemann, Christian Frederick	1917 Ag	Yonkers
Hagen, Albert Montgomery	1917 M	Pittsburg, Pa.
Hagens, Elmer Williams	1919 A	Chicago, Ill.
Hagerman, Dudley Barncce	Spec Ag	Southold
Hagerty, Raymond Francis	1917 Ar	Meriden, Conn.
Hagstrom, Gosta William	1918 Ar	Jamestown
Haines, George	1917 Ag	Pleasantville
Haines, Lawrence Elias	1919 M	Slatington, Pa.
Haines, Stanton, jr.	1919 Ag	Jamaica
Hale, Andrew	1916 M	Akron, O.
Hale, Maurice Perkins	1919 Ag	Ithaca
Hales, Felix Stanton, B.E. in C.E.	1916 C	Wilson, N. C.
Haley, Francis Ambrose	1919 C	Watertown
Hall, Chester Downing	1918 M	Moorestown, N. J.
Hall, Frank Vosburg	Spec Ag	San Angelo, Tex.
Hall, George Harold, A.B.	1916 L	St. Johnsville
Hall, Hazel Jean	1919 A	Ridgway, Pa.
Hall, Helen Margaret	1917 A	Hudson
Hall, Ina Winning	1918 A	New York City
Hall, Leslie Holbert	1919 Ag	Harrisburg, Pa.
Hall, Maurice Alfred	1919 Ag	Hannibal
Hall, Maynard Erwin	1919 M	Gloversville
Hall, Perry Oliver	1918 Ag	Ridgway, Pa.
Hall, Ralph	1917 Ag	Brooklyn

Hall, Shirley, McElroy	1918 A	Jamestown
Hallberg, Norman D'Este	1918 Ar	Chicago, Ill.
Hallett, Henry North	1917 A	Canton, Pa.
Hallinan, Joseph Daniel, M.D.	Spec M.D. (N.Y.C.)	Richmond Hill
Hallock, Archibald Cobb	1918 Ag	Rochester
Hallock, Avon Curtis	1916 Ag	Riverhead
Hallock, Carleton Lee	1917 Ag	Clayton, N. J.
Hallock, Harold Coleman	1916 L	Clinton Corners
Halpern, Max	1918 A (Chem)	Brooklyn
Halsey, Crawford Cook	1918 M	Southampton
Halsted, Robert Maver	1916 Ag	New York City
Ham, Edwin Sleight, B.S.	Grad	Verbank
Ham, John Frederick	1918 Ag	Millbrook
Hamabe, Genjiro, M.E.	Grad	Kyoto, Japan
Haman, Miles Bertine, B.S.	Grad	Reading, Pa.
Hamblen, Lucy Malinda	1919 A	Castile
Hambleton, Roscoe Lee	1917 M	Orchard Park
Hamburg, Alexander Maxwell	1916 L	Brooklyn
Hamburger, Louise Margaret	1919 Ag	Brooklyn
Hamilton, Heeg	1919 M	New York City
Hamm, Fred Jacob	1916 Ag	Corinth
Hamm, Otto Henry	1917 M	Baltimore, Md.
Hammer, Christine, A.B.	Grad	Pottstown, Pa.
Hammond, Donald von Utassy	1919 A	Ithaca
Hammond, Fremont Mortimer, A.B.	1917 M	Patchogue
Hammond, George Norris	1918 Ag	River Forest, Ill.
Hammond, Girard	1918 Ag	New York City
Hammond, Laurens	1916 M	Evanston, Ill.
Hammond, Maynard Charles	1919 Ag	Port Jervis
Hancy, Anna Jane, A.B.	Grad	Hayts Corners
Hand, Edward Everett	1916 Ag	Brooklyn
Hand, Henry Finch	1917 Ag	Laurens
Hand, Leslie Townley	1918 C	Brooklyn
Handleman, Henry	1916 Ag	Caldwell, N. J.
Handwerger, Harry	1918 M	Baltimore, Md.
Hanemann, Herman Andrew	1917 Ag	Delanco, N. J.
Hanford, William Walter	1916 Ag	Dryden
Hanighen, John Joseph, jr.	1917 M	Omaha, Neb.
Hankins, Francis William	1919 M	Auburn
Hanna, Chester Wynn	1918 Ag	Lakeville
Hannley, Francis Matthew	1917 Ag	Sottenville
Hanson, Charles Walter	1916 Ag	Ithaca
Harbach, Paul Hyde	Spec Ar	Buffalo
Hardecker, John Francis	1917 C	Brooklyn
Harden, James Joseph Henry	1919 Ag	Brooklyn
Hardenburg, Earle Volcart, B.S., M.S. in Agr.	Grad	Brocton
Hardenburgh, William Gabriel.	1916 A	Jersey City, N. J.
Harding, Elias Earl	1919 Ag	Albion
Harding, John Phelps	1916 A	Saranac Lake
Harding, Watson Giles	1917 A	Saranac Lake
Hardinge, Harlowe Templar	1916 M	New York City
Hardy, Paul Sexton	1916 A	Pittsburgh, Pa.
Harmon, Roy William	1916 Ag	East Chatham
Harriman, Chester Karl	1916 Ag	Exeter, N. H.
Harrington, Carlos Elmer	1918 M	Buffalo
Harris, Dorothy Margaret	1919 A	Ithaca
Harris, Frederick Mack	1919 C	East Orange, N. J.
Harris, Irving Helmann	1919 C	Bayonne, N. J.
Harris, Leon	1919 L	Hartford, Conn.
Harris, William Abraham	1918 Ag	Greensbury, Pa.
Harrison, Allrich Scheper	1917 C	New York City
Harrison, George Hale	1916 Ag	Berlin, Md.
Harrison, William Henry	1919 Ar	Indianapolis, Ind.
Hart, John	1918 Ag	Clarksburg, W. Va.
Hart, Lewis Raymond	1916 Ag	Ithaca
Hart, Ronald	1916 M	Brooklyn
Hart, Royal Camillus	1918 A	Wyoming, O.
Hart, Van Breed	1916 Ag	McLean
Hartman, Henry Eugene	1919 Ag	New York City
Harty, Charles Julier	1916 A	Newton, N. J.
Hartzell, Albert	1916 Ag	Lebanon, Pa.
Hartzell, Corinne	1919 A	Buffalo
Hartzog, Justin Richardson, B.S.	Grad	Tecumseh, Mich.
Harvey, Arthur Ross	1919 M	Middletown, O.
Harvey, Carl Clifford, B.S.	1916 M.D. (N.Y.C.)	Middletown, Conn.
Harvey, Julian	1916 M	Hasbrouck Hts., N. J.
Harvey, Lew Elsworth, B.S.	Grad	Marathon
Harvey, Lynwood Norman	1919 Ag	Glens Falls
Harvith, Sophie Harriett	1918 A	Albany
Harwood, Warner	1916 C	Washington, D. C.
Hasbrouck, Carl Jay	1919 C	Highland
Haseley, Noah Albert	1917 A	Niagara Falls

Haselton, Philip Hyatt	1916 M	Coshocton, O.
Haskell, Royal Joylin, B.S.	Grad	Ithaca
Haskins, George Augustus	1916 Ag	Rochester
Haslett, Henry Ernest	1917 Ag	Seneca
Hassan, Emin	1919 Ag	Brooklyn
Hasselbeck, Eugene Joseph	1919 A (Chem)	Buffalo
Hatch, Alvan Stem	1917 M	Cleveland, O.
Hatch, Duane Spencer, B.S.	Grad	Greenwich
Hathaway, John Henry	1917 A	New York City
Haucke, Frank	1916 Ag	Ithaca
Haupin, George Daniel	1916 A	Sugar Grove, Pa.
Haupt, Edwin John	1918 M	Cincinnati, O.
Haupt, John Huyler	1917 A	Bronx, New York City
Hausman, (Mrs.) Ethel Hinckley	Spec Ag	Ithaca
Hausman, Leon Augustus, A.B.	Grad	Ithaca
Hausman, Louis, B.A.	1916 M.D. (N.Y.C.)	Brooklyn
Haven, Walter Kenneth	1919 M	Southampton
Havens, William Louis	1916 C	Edmeston
Havey, Joseph Perry	1919 A	Yonkers
Hawes, Raymond Preston, A.B., A.M.	Grad	Riverside, R. I.
Hawkins, Joseph McAlpin	1916 Ag	Syracuse
Hawley, Catharine Lucy	1916 A	Auburn
Hawley, Douglass Canfield	1916 M	Minneapolis, Minn.
Hawley, Frank Wesley	1917 A	Huntington, Ind.
Hawley, Ira Myron, B.A.	Grad	Canandaigua
Hawley, Nathan Henderson	1919 A	Albany
Hay, Francis Wilkinson	1916 M	Newark, N. J.
Hayden, Gertrude Bond	1916 Ag	Wyoming
Haydock, John, 3d	1917 M	New York City
Hayes, Jeremiah Joseph	1916 C	New York City
Hayes, Walter Sherman	1918 M	Toledo, O.
Hayner, Charlotte Irene	1917 A	Troy
Haywood, Albert, jr.	1919 Ag	Flushing
Haywood, Henry, jr., B.S.	1917 M.D. (N.Y.C.)	New Brunswick, N. J.
Hazell, Cyril Ebenezer	1920 M	Alpena, Mich.
Hazen, Leslie Eugene, B.S. in Agr.	1916 M	Centralia, Kans.
Hazen, Ruth Irene	1918 Ag	Ithaca
Hazzard, Charles Bullock	Spec Ag	Verbank
Hazzard, William Stuart, B.S. in M.E.	1916 M	Atlanta, Ga.
Heald, Willard Richardson	1918 M	Wilmington, Del.
Healey, William Vincent, A.B.	1916 M.D. (N.Y.C.)	New York City
Healy, James Hopkins	Spec Ag	Sherrill
Hearn, Lester Harrison	1918 Ag	Brooklyn
Hearne, Robert Griffith	1919 A	Chicago, Ill.
Heartfield, Seth Wallace	1919 A	Newburgh
Heath, Charles Orville	1917 Ag	Rochester
Hebel, John William, A.B., A.M.	Grad	Auburn, Ind.
Hecht, George J.	1917 A	New York City
Hedgcock, Edwin Harvey	1918 M	St. Louis, Mo.
Hedges, William Sherrill	Spec Ag	East Hampton
Heertje, Jeanette	1919 A	New York City
Heffernan, George Paul	1917 L	Wilkes-Barre, Pa.
Heggem, Charles Oliver, jr.	1920 M	Massillon, O.
Heidenheim, Rosalind	1918 A	Brooklyn
Heilich, Arthur Chester	1919 C	Elizabeth, N. J.
Heim, Arthur William, 2d	1918 A	Reading, Pa.
Heine, Paul, jr.	1919 Ag	Tompkinsville
Heinicke, Arthur John, B.S. in Agr., M.A.	Grad	St. Louis, Mo.
Heinz, Frederick	1916 A	Mt. Kisco
Heitmann, Claus Ferdinand	1918 A	Brooklyn
Helfrich, Lester Archibald	1917 A (Chem)	Pleasantville, N. J.
Heller, Daniel Hemingway	1919 Ag	Feura Bush
Heller, Joseph Adolph	1917 Ag	New York City
Helmick, Benjamin Coe, B.S., M.S.	Grad	Washington, Ia.
Hemmer, Andrew Joseph	1919 Ag	Syracuse
Hemmings, Harry Howard	1917 C	Brooklyn
Hemphill, Rayburn Weeks	1918 A (Chem)	Akron, O.
Hemphill, Raymond John	1919 Chem	Titusville, Pa.
Hendee, Daniel Kelly	1918 Ag	Hornell
Hendee, Robert William	1917 M	Tulsa, Okla.
Henderson, Earl Garrett	1918 M	Columbus, O.
Henderson, Robert Swan	Spec Ag	Syracuse
Henderson, Willis Clifford	Spec Ag	Geneva
Hendrick, Horace Holley	1919 C	Wolcott
Hendrie, Chgries Francis	1919 M	Brooklyn
Hendryx, Dwight Bushnell	1919 M	Glenwood
Henigbaum, William Klemm	1919 M	Davenport, Ia.
Hennell, Herman	1919 A	New York City
Henry, Clifford Ottley	1917 Ag	Canandaigua
Henry, Frank Charles, jr.	1918 A	Perth Amboy, N. J.
Henry, Frederick Thomas	1919 C	Canandaigua

Henry, Lucien Reinhart	1919 A (Chem)	Pittsburgh, Pa.
Henry, Mary Frances, A.B.	Grad	University Park, Col.
Henry, Sadie Elise	1919 A	Brooklyn
Hequembourg, Arthur Williams	1918 M	New York City
Herbstman, Joseph	1919 Ag	Brooklyn
Herman, Abraham	1919 Ag	Brooklyn
Hernández, Julio	1918 Ar	Cardenas, Cuba
Hernandez-Orpi, Enrique	1918 C	Camajuani, Cuba
Herr, Harry Samuel	1917 Ag	Springfield, Ohio
Herr, Joseph	1918 Ag	Brooklyn
Herriman, Morris Whitney	1919 C	River Forest, Ill.
Herrington, Wilson Andrew	1919 Ag	Ellisville, Miss.
Hershey, Donald H.	1918 L	Rochester
Herskowitz, Louis	1918 M	New York City
Hertz, Edgar Albert	1916 A	Newark, N. J.
Herz, Monroe	1920 M	New York City
Herzer, Edward Henry	1916 M	Baltimore, Md.
Herzer, Philip Charles	1917 V	York, Neb.
Hespelt, Wm. Charles	1917 Ar	Johnstown
Hess, Gladys Marion	1917 Ag	Lyons Falls
Hess, Marie Josephine	1918 Ag	Germantown, Pa.
Hess, Walter Norton, A.B.	Grad	Great Valley
Hetherington, Lyster Meadows	1917 Ag	East Orange, N. J.
Hettich, Ernest Leopold	1919 A	Brooklyn
Heuer, Fred Henry	1918 Ag	Bay Shore
Heuser, Gustave Frederick, B.S.	Grad	Buffalo
Hevey, Mary Duddy	1917 Ag	Gloversville
Hewes, Edward Blaine	1919 Ag	Mayville
Hewett, George Henry	1916 V	Delmar
Heyd, Charles Gordon, B.A., M.D.	Spec M.D. (N.Y.C.)	New York City
Hickman, Arthur Reynolds	1918 L	Kirkwood, Mo.
Hickmott, Howard Richmond	1918 Ag	Manchester
Hicks, Byron	1919 Ag	Cedarhurst
Hicks, Edison Clayton	1919 Ag	Rushville
Hicks, Leonard Francis	1916 Ag	New York City
Hicks, Ralph	1918 Ag	Westbury
Hiebeler, George Edward	1918 Ag	Woodside
Hieber, Evelyn Margaret Caroline	1918 A	Utica
Higbee, David Rathburn, A.B.	1917 M.D. (N.Y.C.)	Omaha, Neb.
Higbee, Edwin Converse, 2d	1919 M	Cleveland, O.
Higgins, Walter Edwin	1916 A	Cleveland, O.
Higgs, Kenneth Webber	1919 M	Lyndonville
Highhouse, Earl Frederick	1918 M	Titusville, Pa.
Hildebrand, Georgina Elizabeth	1917 A	Ridgewood
Hildreth, Alan Ellsworth	1919 C	Southampton
Hill, Converse	1918 Ag	Lexington, Mass.
Hill, Douglas Wainwright	1919 C	Cincinnati, O.
Hill, James Curry	1916 Ag	Jefferson Valley
Hill, John Walker	1916 M	Bridgeport, Conn.
Hill, Maury	1917 A	St. Louis, Mo.
Hill, Phillip Synyer	1918 M	Oak Park, Ill.
Hill, Roland Hurdon	1916 A	St. Louis, Mo.
Hillas, James Garniss	1919 Ag	Hoboken, N. J.
Hillman, Charles Alan	1917 C	Newark, N. J.
Hills, Mildred Frances	1919 Ag	Mt. Vernon
Hilton, Alfred Noble	1920 M	Norfolk, Va.
Himes, Albert Perry	1916 C	Cleveland, O.
Himwich, Harold Edwin, B.S.	1919 M.D. (N.Y.C.)	New York City
Hinchman, William Rossiter	1918 M	Brooklyn
Hine, Willard Rudolph Bernard	1919 Ag	Gloversville
Hinkley, Gerald Watson	1916 M	Dunkirk
Hinrichs, Dunbar Maury	1917 Ag	Glen Ridge, N. J.
Hinsdale, Ira Alfred, Ph.B.	1919 M.D. (N.Y.C.)	Camillus
Hipson, Caryl Blaine	1919 Ag	E. Norwalk, Conn.
Hirschfeld, Bernard Jonas	1918 A	Southampton
Hirschhorn, Jacob	1917 Ag	New York City
Hirsh, Edward William	1919 M	Philadelphia, Pa.
Hiscock, George Singleton	1919 C	Southampton
Hiscock, Luther Harris	1916 A	Syracuse
Hitchcock, Dwight Cabot	Spec Ag	Champlain
Hitchins, Roger Adams	1919 M	Olive Hill, Ky.
Ho, Yun-Huang	1918 A	Wuchang, China
Hoag, Isabelle Marguerite	1918 Ag	Deposit
Hoagland, Richard Kucher	1918 A	Brooklyn
Hoblitzelle, Harrison	1917 A	St. Louis, Mo.
Hochman, Samuel	1919 Ag	New York City
Hock, Harold Leslie	1916 C	Goshen
Hock, Howard William	1918 A (Chem)	Cressona, Pa.
Hocking, William Robbins	1919 Ag	Govans, Md.
Hodder, Earl Henry	1916 Ag	Johnstown
Hodges, Earl Ewers	1917 Ag	Rochester

Hodges, Harry Gurdon	1916 V	Sidney Center
Hodgman, Frank Herbert, jr.	1918 M	Brooklyn
Hoefer, Albert	1916 Ag	Elmira
Hofeller, Neville Kaiser	1920 C	Buffalo
Hofeller, Robert	1919 Ag	Buffalo
Hofeller, Sigmar Kaiser	1919 C	Buffalo
Hoff, Edwin James	1919 C	Mt. Vernon
Hoffman, Allyn Packard	1916 Ag	Elmira
Hoffman, Arthur Lewis	1918 Ag	Elmira
Hoffman, Calista Jane	1918 Ag	Lewiston
Hoffman, Charles Allan	1917 C	Norwich
Hoffman, Harry Brooks	1919 Ag	Elmira
Hoffman, Ray Thompson	1917 M	Harrisburg, Pa.
Hoffman, William Albert	1917 Ag	New York City
Hoffmire, John Sherwood	1916 M	Trumansburg
Hoffnagle, Harry Herbert	1917 A	Westport
Hofmann, George Robinson	1918 M	Pittsburgh, Pa.
Hogan, Agnes Cecilia	1917 Ag	New York City
Hogan, John Meredith	1919 A	Taylorville, Ill.
Hogan, Robert Berne	1918 M	Canton, O.
Hogg, Edith Esther	1917 Ag	Titusville, Pa.
Hogle, Hollis Elbridge, jr.	1919 M	Scranton, Pa.
Hohmann, August Andrew	1916 Ag	Brooklyn
Hohmann, James Tansley	1916 Ag	Brooklyn
Holcomb, Charles Albert	1918 Ar	Binghamton
Holiner, Emanuel	1919 Ag	Brooklyn
Holland, Robert Thomas, M.A.	Grad	Scottsville, Ky.
Hollander, Edward, B.S.	1917 M.D. (N.Y.C.)	New York City
Hollenback, Warren	1917 L	Lock Haven, Pa.
Hollenbeck, Beatrice Sarah	1918 Ag	Candor
Hollis, Henry French, jr.	1917 A	Washington, D. C.
Hollis, John Coonley	1919 L	Concord, Mass.
Hollister, Marguerite Hamilton	1917 Ag	Ithaca
Holmes, Jean Dalziel	1916 A	Washington, D. C.
Holsapple, Alethe Alida	1918 A	Hudson
Holstrom, Enoch Nathaniel	1916 M	St. Paul, Minn.
Holstrom, Harry Leonard	1918 M	St. Paul, Minn.
Holt, Edward Frederic	1918 M	Queens
Holt, Harper Allen	1917 L	Ithaca
Holt, Thomas Baird	1918 C	Ithaca
Holt, William Stull	1919 L	Brooklyn
Holton, Oliver Williams	1918 Ag	Catasauqua, Pa.
Homan, Carroll Livingston	1919 M	Sayville
Homer, Edward Clark	1917 M	River Forest, Ill.
Honey, Edwin Earl	1916 Ag	Ithaca
Honeywell, Allen Damon	1919 Ag	Geneseo
Hood, Harrison Porter	1918 A (Chem)	Pittsburgh, Pa.
Hook, Jessie Gladys	1919 A	Perris, Cal.
Hook, Warren Howard, M.E.	Grad	Ithaca
Hooker, Albert Huntington, jr.	1918 A (Chem)	Niagara Falls
Hooker, Douglas Lannin	1919 M	Olean
Hooker, James Louis	1916 A	Watertown
Hooper, Marion Louise	1919 A	Suffern
Hoover, Maurice Jackson, jr.	1920 M	Wyncote, Pa.
Hopkins, Edwin Fraser, B.S.	Grad	Buffalo
Hopkins, Frank Joy	1919 Ag	Ithaca
Hopkins, Isabel	1918 A	Westfield
Hopkins, Robert Williams	1919 A	Buffalo
Hopkins, Sydney Watson	1919 Ag	Summit, N. J.
Hopp, George Carle	1920 Ar	Utica
Hopper, Earle Budd	1918 V	Ridgewood, N. J.
Horne, Willard	1919 M	Titusville, Pa.
Horner, Halsted Steelman	1918 A	Tuckerton, N. J.
Horner, William Wattles	1916 Ar	Cleveland, O.
Hornickel, Frank Lute	1916 M	Cleveland, O.
Horton, Harding Fred	1917 Ag	Ithaca
Hoskins, Edwin Raymond	Spec Ag	Merrifield
Hoskins, Frederic Martin	1919 L	Lyons Falls
Hosmer, Harriet	1918 A	Buffalo
Hotchkiss, Edna Ruth	1918 A	Ithaca
Hotchkiss, Herbert Vinton, B.S., C.E.	Grad	Ithaca
Hottes, Alfred Carl, B.S., M.S. in Agr.	Grad	Ithaca
Houck, Edward William	1917 A	Buffalo
Houck, Harvey Francis	1917 M	Elmira
Houck, John Edward	1917 Ag	Buffalo
Hough, Chester Carroll	1917 M	Clarendon, Va.
Hough, Floyd Woodworth	1919 C	Catskill
Hough, Leslie Seymour	1917 Ag	Brooklyn
Hough, Romeyn Beck, jr.	1919 A	Lowville
Houghton, Lowell Curtis	1919 Ag	Sheffield, Ill.
Houghton, Paul Roswell	1918 V	Fine View

Houghton, Victor Skog	1919 A	Elmira Heights
Houghton, William McKinley	1919 Ag	Oneonta
Houlihan, Daniel James, B.A.	1919 M.D. (N.Y.C.)	New York City
Houser, Duncan Prewitt	1916 A	St. Louis, Mo.
Houston, Claude Monroe	1917 M	Wisner
Houston, Horace King	1918 L	Chicago, Ill.
Hovey, Luke Willis	1917 Ag	Bainbridge
Howard, David Joseph	1916 M	Buffalo
Howard, Delton Thomas, A.M.	Grad	Appleton, Wis.
Howard, Edwin Laclede	1919 Ar	St. Louis, Mo.
Howard, Harry Irving	1919 Ag	Washington, D. C.
Howard, John Homet	1917 Ag	Wyalusing, Pa.
Howard, Lucy Mary	1916 A	Fulton
Howard, Lynn	1917 Ag	Binghamton
Howard, Thornton Wayne, B.S.	1916 M	Oregon City, Ore.
Howarth, Everett Frederic	1918 M	Fitchburg, Mass.
Howe, Anna Mayme, B.A., A.M.	Grad	Jordan
Howe, Frank Byron, jr.	1916 L	Saratoga Springs
Howe, Maurice Wilton	1916 A	Fitchburg, Mass.
Howe, Oswald Eugene	1919 M	Oak Park, Ill.
Howe, Raymond Kellogg	1919 A	Yonkers
Howe, Thomas Harold	1917 V	Friendship
Howe, Thomas Miller	1919 M	Cincinnati, O.
Howell, Charles James, jr.	1919 C	Camillus
Howell, Clara Bower	1919 Ag	Ludlowville
Howell, Fred Boss	1916 M	Wilkes-Barre, Pa.
Howell, George Blaine	1917 L	Ithaca
Howell, Sidney Preswick	1917 A	Ithaca
Howerth, Herbert Joseph	1918 M	Shamokin, Pa.
Howes, Wallace Addison	1919 C	Florence, Mass.
Howry, Kirk Wesley	1918 Ag	Denver, Col.
Hoyt, Floyd Erwin	1918 V	Clay
Hoyt, James Riccardo	1916 V	Cohocton
Hoyt, Stephen Charles	1918 Ag	Auburn
Hu, Minfu Tah, A.B.	Grad	Wusih, China
Hubach, Fred Fisher	1919 A (Chem)	Elizabeth, N. J.
Hubbard, Gerard Fruin	1918 A	Rome
Hubbard, Stanley Tyler	1918 M	Mt. Vernon
Hubbard, Waldron Wells	1919 Ag	Flushing
Hubbell, Benjamin S., jr.	1919 Ar	Cleveland, O.
Hubbell, Henry Willard	1918 M	Norwalk, Conn.
Huber, Harold Vincent	1917 A (Chem)	Los Angeles, Cal.
Huber, Walter	1919 A	New York City
Huck, Louis Charles	1917 M	Chicago, Ill.
Huckins, Warren Israel	1918 Ag	Sharon, Mass.
Hudes, Frederick	1918 Ag	Brooklyn
Hudson, Charles Hugh Lounsbury	1919 A	Frankfort, Ky.
Hudson, Harold Dana	1918 Ag	Brooklyn
Huelsen, Walter August	1917 Ag	Brooklyn
Huerdler, Erich George	1916 Ag	Buffalo
Huestis, Thomas Bunting	1919 M	Buffalo
Hugg, Ivalo Belle	1918 Ag	Cazenovia
Hughes, Ruby Beatrice, A.B., A.M.	Grad	Gurnee, Ill.
Hughes, Willis Edward	1920 M	Utica
Hugins, Charles Roland, A.B.	Grad	Ithaca
Huhn, William John	Spec Ar	Dayton, O.
Hukill, Henry Durbin	1916 M	Pittsburgh, Pa.
Hull, Charles Daniel	1919 A	Candor
Hull, Edward Francis	1918 A	Fairport
Hultzen, Lee Sisson	1918 A	Norwich
Human, LeRoy George Harvey	1919 M	N. Tonawanda
Hume, Kenneth White, B.S.	Grad	Brooklyn
Hume, Russell Stuart	1917 Ag	Brooklyn
Humphrey, Harold Jay	1917 Ag	Freeport
Humphrey, Harry Lyman	1916 A	Waterbury, Conn.
Humphreys, Samuel	1919 Ag	New Hartford
Hungerford, Stanley Johnston	1920 C	Clayton
Hunkin, Samuel Everett	1916 C	Cleveland, O.
Hunt, Charles Maynard	1917 Ag	Ithaca
Hunt, Earle Cole	1919 Ag	Binghamton
Hunt, Ernest Carson, jr.	1917 M	Flushing
Hunt, Floyd Philip	1918 V	Jeffersonville
Hunt, George Atwood	Spec Ag	Killawog
Hunt, George E.	1918 V	Binghamton
Hunter, Francis Townsend	1916 Ag	New Rochelle
Hunter, Joseph Ward	1916 A	Dansville
Hunter, Merlin Harold, B.A., M.A.	Grad	Chandlersville, O.
Huntington, Lowell Shirley	1919 Ag	Oneonta
Huntington, Maurice Burt	1917 M	Pulaski
Huntley, Wesley Yeomans	1918 Ag	Walworth
Hurd, Milton	1916 Ar	Olean

Hurwitz, Major Jonah	1916 A	Union Hill, N. J.
Hussey, Thomas Ormond, M.E.	1917 C	Savannah, Ga.
Huth, Gertrude	1917 A	Chicago, Ill.
Hyatt, James Mead	1918 A	Owego
Hyde, Jed Charles	Spec Ag	Ithaca
Hyde, Richard Lewis	1917 C	New York City
Hyslop, George Hall, A.B., A.M.	1919 M.D. (N.Y.C.)	New York City
Icasiano, Abelardo Reyes, A.B.	1916 C	Bulacan, P. I.
Imlay, Robert	1919 A	Niagara Falls
Infanger, Adolph Omega	1919 C	Brooklyn
Ingalls, Robert Dorrance	1917 C	Phelps
Ingalsbe, Maurice Parley	1918 L	Oakfield
Ingerman, Eugenia, A.B.	1916 M.D. (N.Y.C.)	New York City
Ingersoll, Frank Bostwick	1917 L	Pittsburgh, Pa.
Ingham, Walter Leland	1919 A	Pittsburgh, Pa.
Inglee, Charles Ruthford	1918 Ag	Amityville
Ingraham, Mark Hoyt	1917 A	Brooklyn
Innes, Donald Fogle	1917 Ar	Wilkes-Barre, Pa.
Inness, Joseph Kissam	1916 L	Brooklyn
Inscho, Manley Stowell	1918 Ag	Nichols
Inslee, Kenneth Sloat	1920 M	Brooklyn
Insull, William	1916 M	Ithaca
Irish, Helen Gertrude	1916 Ag	Auburn
Irish, Shurly Russell	1918 M	Auburn
Irish, William Mitchell, 3d	1919 Chem	Philadelphia, Pa.
Irvine, Winifred	1917 A	Ithaca
Isbell, Charles Woodruff	1916 M	New York City
Isbitz, Louis	1916 A	Rochester
Ishkhanian, Mardiros Hovhannes	1918 Ag	Hadjin, Adana, Turkey
Isquith, Samuel	1919 Ag	Brooklyn
Ivanek Boleslaw Bertrand	1919 C	Mt. Hermon, Mass.
Jack, Andrew	1919 Ag	Newark, N. J.
Jackson, Abram John, jr.	1919 V	Ithaca
Jackson, Clark Rhinehart	1919 M	Binghamton
Jackson, Donald, B.A.	Grad	Paris, France
Jackson, Earl E.	1918 A	Florence, Ala.
Jackson, Ethel Violet	1918 A	Demarest, N. J.
Jackson, Howard Campbell, B.S.	Grad	Trumansburg
Jackson, Mary Magdelene	Spec Ag	Ithaca
Jackson, Stuart Deming	1916 A	Cincinnati, O.
Jackson, Wm. Brinkerhoff, jr.	1918 M	Silver Spring, Md.
Jackson, William Joseph, A.B.	1919 M.D. (N.Y.C.)	New York City
Jacobson, Max Harold	1919 Ag	New York City
Jacoby, Anna Laura	1916 A	York, Pa.
Jacoby, John Edward, A.B., A.M.	Grad	York, Pa.
Jacot, Arthur Paul	1918 A	Sandy Hook, Conn.
Jadowitz, David	1919 M	Dover, N. J.
Jadowitz, Herman	1919 M	Dover, N. J.
Jæger, William Christian	1918 C	Brooklyn
Jægle, William Christopher, jr.	1919 M	New York City
Jaffin, Joseph Munroe	1917 A (Chem)	New York City
Jager, Philip, M.D.	Spec M.D. (N.Y.C.)	New York City
Jaggard, Ernest Plack	1917 M	Altoona, Pa.
Jagger, Cyrus Wickham	1918 M	Southampton
Jahn, Alfred Paul	1918 Ag	New York City
James, Chloe Louise	1918 Ag	Ithaca
James, William Benjamin, jr.	1919 C	Plymouth, Pa.
Jameson, W. H., jr.	1916 Ag	Corona, Cal.
Jamison, Edward Stein	1916 M	East Orange, N. J.
Jampol, Max	1919 M	New York City
Janes, Warham Whitney	1919 A	Charlotte
Jannotta, Alfred Vernon	1917 A	Oak Park, Ill.
Jannotta, Francis Skiff	1919 A	Oak Park, Ill.
Jansen, Anna Frances	1917 Ag	Fonda
Jawetz, Harry	1916 M	New York City
Jayne, Lester Hand	1916 A	East Setauket
Jefferson, Charles Wilson	1919 Ag	Schenectady
Jeffrey, Walter Williams	1919 Ag	Ithaca
Jenanyan, Ernest Paul	1918 L	Philadelphia, Pa.
Jenkins, David M.	1917 Ag	New Paltz
Jenkins, DuBois	1918 V	New Paltz
Jenkins, Edith Faulkner	1917 A	Sidney Center
Jenkins, Erwin Wheat	1918 Ag	Sidney Center
Jenkins, John Ethbert, B.S.	1916 M	Manhattan, Kan.
Jenkins, Raymond	1917 A	New Paltz
Jenks, Harland William	1919 A	Niagara Falls
Jenks, Leon E., B.S., M.S.	Grad	Ithaca
Jenks, Weston Morse	1919 M	Waterbury, Conn.
Jennings, Arthur Gardner	1918 M	Elmira

Jennings, Carlton Webster	1919 A	Moravia
Jennings, David Stout, B.S.	Grad	Ithaca
Jennings, John Arthur	1918 L	Rochester
Jennings, Marguerite	1919 Ag	Canastota
Jennings, Robert Edward	1918 M	Menominee, Mich.
Jessen, Frederic Alfred	1916 Ag	Elmira
Jewett, Harold Alden	1919 A (Chem)	Olean
Jewett, Rexford Wilber	1917 A (Chem)	Fredonia
John, Frederick Wallace	1916 M	Yonkers
Johnson, Bruce	1919 M	Binghamton
Johnson, Charles Eneu, 2d	1919 M	Lansdowne, Pa.
Johnson, Dudley Armstead	1916 Ag	S. Orange, N. J.
Johnson, Edgar Blauvelt, B.Chem.	Grad	Tarrytown
Johnson, Gertrude Amelia, B.S., M.S.	Grad	Chicago, Ill.
Johnson, Harold Osborne	1917 Ag	Elmira
Johnson, Howard Eckler, D.V.M.	Grad	Cherry Valley
Johnson, James Wood	1917 A	Jersey City, N. J.
Johnson, Mary Haldeman	1917 Ag	Oneonta
Johnson, Samuel Chester, A.B.	1917 M.D. (N.Y.C.)	New York City
Johnson, Walter Earle	1919 C	Wilmington, Vt.
Johnson, Walter Lee, jr.	1918 M	St. Louis, Mo.
Johnson, William Elliott	1918 A	Evanston, Ill.
Johnston, Franklin Barr	1919 A	Canton, O.
Johnston, Herbert Richard	1917 A (Chem)	Buffalo
Johnston, Orrin Spencer	1918 M	Chicago, Ill.
Johnston, Robert James	Spec Ag	Attica
Johnston, Walter David	1916 A	Waukesha, Wis.
Johnstone, Hugh Ross	1917 A (Chem)	N. Tonawanda
Jones, Earle Atwood	Spec Ag	Waitsfield, Vt.
Jones, Frederick Randolph	1917 Ag	Lexington, Mass.
Jones, Gwendolyn Hope	1918 A	Oradell, N. J.
Jones, H. Foster, A.B., A.M.	Grad	Huron, S. Dak.
Jones, Henry Ware, jr.	1918 M	Upper Montclair, N. J.
Jones, Martin Tilford	1919 M	Houston, Texas
Jones, Miriam Catharine	1918 Ag	Worcester
Jones, Ralph Felber	1919 M	Red Wing, Minn.
Jones, Robert Nuttall	1917 Ag	Buffalo
Jones, Roger Cleveland	1917 M	Collinsville, Conn.
Jones, T. Ralph	1917 M	Eagle Pass, Tex.
Jones, Viola May	1916 A	Jersey City, N. J.
Jones, William Milne	1918 C	New York City
Joseph, Ellis	1916 M	New York City
Joseph, Louis Weinman	1920 C	Warrensburg
Joseph, Regine Dosenheim	1919 Ag	Hudson
Judd, Helen Frelinghuysen	1916 Ag	Ithaca
Judson, Charles Daniel	1916 Ag	Oswego
June, Laurence Brigham	1919 A (Chem)	Addison
Juskowitz, Leo Gerald	1919 Ag	New York City
Kalbfus, Joseph Barnett	1917 M	Washington, D. C.
Kaltenthaler, Henry Jacob, jr.	1919 M	Philadelphia, Pa.
Kammerer, William Charles	1917 M	St. Louis, Mo.
Kamrass, Louis Mark	1918 A (Chem)	New York City
Kane, Elisha Kent	1917 A	Kane, Pa.
Kane, Mortimer William	1919 Ag	Yonkers
Kane, Thomas Leiper	1916 A	Kane, Pa.
Kaplowitz, Morris	1918 A	Brooklyn
Kardiner, Abraham	1917 M.D. (N.Y.C.)	New York City
Karmany, Edward Lincoln	1919 A (Chem)	Annapolis, Md.
Karns, Bonnydell Louise	1916 A	Columbus, O.
Karp, Theodore Burton	1919 A	Brooklyn
Karr, Harold Joseph	1918 Ag	Newark, N. J.
Karrakis, Samuel	1918 A	Newark, N. J.
Karsten, Charles	1918 A	Highland Falls
Kasakove, Benjamin	1918 A (Chem)	New York City
Kast, Frederic Ernest	1919 Ag	Albion
Katz, Aaron George	1917 Ag	Brooklyn
Katz, Frederick Leopold	1918 A	New York City
Katz, Morris Howard	1917 A (Chem)	Brooklyn
Katzenberg, David Sidney	1917 Ag	Bronx, New York City
Katzenstein, Simon	1919 A	Mt. Vernon
Kaufman, Aaron	1919 A	Elizabeth, N. J.
Kaufman, Gerald Lynton, B.Arch.	Grad	New York City
Kaufman, Jacob	Spec Ag	New York City
Kaufman, Samuel	1919 Ag	New York City
Kaufman, Samuel	1919 C	New York City
Kaufmann, Allan Lewis	1917 A	Toledo, O.
Kaufmann, Louis George	1919 A (Chem)	Brooklyn
Kaufmann, Victor Rossman	1918 L	New York City
Kaufuss, Harold Peter	1918 A	Glens Falls
Keane, Leo Augustine	1916 A (Chem)	Ithaca

Keating, Thomas Francis, jr.	1916 C	New York City
Keefe, Robert Edwin	1917 M	Kingston
Keeler, William Henry, jr.	1916 A	Pittsburgh, Pa.
Keet, Julia Mildred	1919 Ag	Schuyler Falls
Keiler, Edmund Harder	1919 M	Marion, O.
Kelk, John Albert	1919 A	Cairo
Kelley, Francis Michael	1918 V	Phelps
Kelley, Miriam May	1917 A	Wyoming
Kellogg, Paul William	1919 Ar	Interlaken
Kelly, Alfred Bartholomew Francis	1918 Ag	Ithaca
Kelly, Grace Elizabeth	1917 A	Fonda
Kelly, Kendrick	1917 C	Baltimore, Md.
Kelsey, Alpha Mary	1919 Ag	Mecklenburg
Kelsey, Dean Ward, B.S.	Grad	Franklinville
Kelsey, Genevieve Marie	1917 A	Candor
Kelsey, Marion Cadwell	1919 Ag	Candor
Kelsey, Martha Townsend	1919 Ag	Mecklenburg
Kelsey, Raymond Turner	1916 L	Cleveland, O.
Kemp, Olin Arthur	Spec Ag	Kirkwood
Kendall, William Morgan	1919 A	Buffalo
Kenerson, Albert Scott, B.S.	Grad	Ithaca
Kennedy, Clarence Hamilton, A.B., A.M.	Grad	Rockport, Ind.
Kennedy, Daniel Bernard, B.S.	1917 Ag	Russell
Kennedy, Edward Helling	1917 A	Albion
Kennedy, Frank Atkinson	1918 Ag	Fort Barrancas, Fla.
Kennedy, Harold Clark	1919 L	Hudson
Kennedy, James Arthur	1917 A	Dannemora
Kennedy, John Joseph, B.Chem.	Grad	Ithaca
Kennedy, Raymond McCormick, B.Arch.	Grad	New Brighton, Pa.
Kennedy, Thomas Walker	1919 M	Pittsburgh, Pa.
Kent, Rodolphus	1916 Ag	Brooklyn
Kent, Samuel Goddard	1919 A	Concord, Mass.
Kenyon, Donald	1917 Ag	Adams
Keogh, George Paul	1918 M	New York City
Keogh, Harold James	1919 Ag	Rochester
Kephart, Cornelia Ferris, B.S., M.S. in Agr.	Grad	Ithaca
Kephart, George Stebbins	1917 Ag	Ithaca
Kephart, Lucy Wheeler	1916 Ag	Ithaca
Kerr, Anna Cornell	1916 Ag	Ithaca
Kerr, John Daniel	1917 A (Chem)	Buffalo
Kerr, William Thompson	1919 L	North Tonawanda
Kessler, Charles Ralph, B.S.	1919 M.D. (N.Y.C.)	New York City
Kessler, Henry Howard	1916 A, 1919 M.D. (N.Y.C.)	Newark, N. J.
Keyes, Harold Sherman	1919 Ag	Munnsville
Kibbe, Harmon Condit	1916 C	Berkeley, Cal.
Kibbey, Walter Alexander	1919 Ag	Washington, D. C.
Kibby, Loren Sullivan	1918 Ag	Turin
Kies, Helen Bishop	1919 A	Springville
Kilbourne, Edwin Ingersoll	1918 Ag	Brooklyn
Kilburn, Clarence Evans	1916 A	Malone
Kley, Nicholas Henry	1918 A	Cazenovia
Kimball, Donald Butler	1919 A (Chem)	Washington, D. C.
Kimberly, Arthur Myndert, A.B.	1918 M.D. (N.Y.C.)	Watervliet
Kimes, Robert Hugh	1919 M	Dayton, O.
Kimmel, Jesselyn Adele	1919 A	Bayside
King, Brice John	1917 A (Chem)	Centralia, Kans.
King, Carrie Joanna	1917 Ag	Ithaca
King, George Joseph	1918 Ag	Saratoga Springs
King, George Stewart	1917 Ag	E. Orange, N. J.
King, Paul, B.E.	1916 C	Emporia, Va.
King, Warren Griffin	1917 M	Cleveland, O.
King, William Charles	1916 M	Tucson, Ariz.
Kingery, Hugh McMillan, B.A., M.A.,	Grad	Ithaca
Kingsland, Frank Carlton	1919 M	Brooklyn
Kingsland, Laurence Douglas, 2d	1917 C	St. Louis, Mo.
Kinne, Birge Warner	1916 Ag	Ovid
Kinney, Harold Draper	1918 A (Chem)	Gouverneur
Kinney, Will Carleton	1918 A	Bellevue, O.
Kinzey, Bertram York	1918 Ag	Mt. Vernon
Kinzinger, Margaret Alice	1919 A	Brooklyn
Kirby, Sumner Moore	1919 A	Wilkes-Barre, Pa.
Kirchberger, Henry Stern, B.Arch.	Grad	Chicago, Ill.
Kircher, Stacy George	1919 Ag	Mt. Vernon
Kirk, Harold	1916 A (Chem)	Port Jervis
Kirk, William, A.B., M.A.	Grad	Tarkio, Mo.
Kirkendall, Helen Olivia	1917 Ag	West Danby
Kirkland, Joseph Brachin David	1918 Ag	Ithaca
Kirkland, Luther Clinton	1919 Ag	Ithaca
Kirkpatrick, Ellis Lore, B.S.A.	Grad	South English, Ia.
Kirkup, Charles Edwin, jr.	1916 Ar	Bay Shore
Klauber, Henry	1917 L	West New Brighton

Klee, Victor La Rue	1916 A	Olean
Kleegman, Anna, A.B.	1916 M.D. (N.Y.C.)	New York City
Klein, Henry Nathaniel	1919 Ag	Brooklyn
Kleinert, Edwin Waldorf	1917 M	Brooklyn
Kline, Arnold Manuel	1919 A (Chem)	Hudson
Klingelhofer, Louis Oliver	1919 M	Pittsburgh, Pa.
Klingerhofer, Edward Kohne	1917 C	Pittsburgh, Pa.
Klock, Morgan Becker	1916 Ar	Brooklyn
Klotz, Joseph Lee, D.V.M.	1916 V	Noblesville, Ind.
Knapp, Edward Caulfield	1918 Ag	Marcellus
Knapp, Leslie George	1916 Ag	Port Byron
Knapp, Margaret Collins	1919 Ag	Marcellus
Knapp, Paul	1917 A (Chem)	Ardmore, Pa.
Knapp, Robert Davidson	1919 Ag	Preble
Knapp, Ronald Glenn	1918 Ag	Port Byron
Knapp, Thomas Phillips	1917 A	Waverly
Knapp, Willis Edmonston	1917 Ag	Buffalo
Knauss, Louis Eugene	1916 A (Chem)	Poughkeepsie
Knight, Dorothy Reese	1916 A	Ithaca
Knight, Frank Hyneman, Ph.B., B.S., M.A.	Grad	Ithaca
Knight, Harry Hazel, Bd.B., B.S.	Grad	Ithaca
Knight, Howard Ashley	1916 M	Putnam, Conn.
Knight, John Alden, jr.	1917 A	Williamsport, Pa.
Knight, John Shively	1918 A	Akron, O.
Knighton, Willis Sackett	1918 A	New York City
Knipp, George Lewis	1918 A	Auburn
Kniskern, Margaret	1918 Ag	Deposit
Knowles, Raymond Alonzo	1917 L	Niagara Falls
Knowlton, Frank Lester	1918 Ag	Laurel, Md.
Knowlton, George Edgar, jr.	1920 C	Ridgewood, N. J.
Knowlton, Harry E., B.S.	Grad	Ithaca
Knowlton, Helen, A.B.	Grad	Ithaca
Knox, Herbert Benjamin, jr.	1919 C	Germantown, Pa.
Knox, Leila Charlton, B.A.	1918 M.D. (N.Y.C.)	Conklin
Knox, Robert Wallis, jr.	1917 M	Houston, Tex.
Knudson, Thomas Graham	1918 Ag	Brooklyn
Kobre, Regina	1917 A	Brooklyn
Koch, Alphonse Daniel	1916 A (Chem)	Middletown
Koch, Catharine Elizabeth, B.S.	Grad	Gowanda
Koch, Henry William	1917 Ag	Hoboken, N. J.
Kochenderfer, Clarence Cameron, A.B., A.M.	Grad	Martinsburg, Pa.
Koehler, Alfred Charles	1919 M	New York City
Kohm, Mary Pauline	1919 Ag	Ithaca
Kohn, Herman Crawford	1919 Ag	Cleveland Heights, O.
Kohn, Morton Charles	1916 Ag	New York City
Kolar, Michael John	1917 V	Ithaca
Kolb, Gladys Dutton	1919 A	New York City
Kolinsky, Harry	1918 A	New York City
Koller, Joseph Peter, B.Chem.	Grad	Ithaca
Koller, Lewis Richard	1917 A	New York City
Koon, Ray Milton, B.S.	Grad	Latrobe, Pa.
Kopeloff, Helen	1919 A	New York City
Korb, LeRoy Houck	1919 A (Chem)	Newark, N. J.
Korff, Harry Otto	1916 C	Baltimore, Md.
Kortright, Warren Post, A.B.	1917 M.D. (N.Y.C.)	Huntington
Koslin, Samuel Harry	1917 Ag	New York City
Kostal, Emile	1917 Ag	Elmsford
Kovacs, Frank	1916 A (Chem)	Danbury, Conn.
Krætzler, Arthur Furman, B.S.	1916 M.D. (N.Y.C.)	New York City
Kraft, Maurice Morris	1916 A (Chem)	New York City
Kramer, Kate, Ph.G., Ph.C.	1918 A	New York City
Kramer, Paul Harris	1918 A (Chem)	Gaylord, Mich.
Kratoville, John Charles	1917 A (Chem)	Riverhead
Kraus, Albert Abraham	1917 Ag	New Brighton
Kraus, Frederick	1918 Ag	New York City
Krauskopf, Daniel Melvin	1918 Ag	New York City
Krauskopf, Joseph	1916 Ag	New York City
Krauss, John Samuel	1917 C	New York City
Krauss, Samuel	1920 C	New York City
Krebs, Walter Winston	1917 L	Johnstown, Pa.
Krech, Karl Gilbert	1919 M	Midland Park, N. J.
Kress, Walter Jay	1918 L	Johnstown, Pa.
Kreuzer, William Christopher	1917 Ag	Syracuse
Krey, Charles Edward	1919 Ag	Washington, D. C.
Kribs, Charles Lovell, jr.	1919 M	Dallas, Tex.
Krøner, Rose Courtney	1919 L	Philadelphia, Pa.
Krohn, Ralph	Grad	Utica
Krugh, John Adam	1918 A	Kansas City, Mo.
Krum, Olin Clifford	1917 Ag	Ithaca
Ku, Chen	1918 M	Wusih, China
Kuchler, Henry Christian Carl	1918 A	New Rochelle

Kuchler, William Edward	1918 Ag	New Rochelle
Kuhn, Rupert Carroll	1918 Ag	New York City
Kuhner, Anna Elizabeth	1917 A	New York City
Kuhns, Herbert Rhoads	1918 M	Dayton, O.
Kuhns, Jacob Ulam, jr.	1919 Ag	Greensburg, Pa.
Kuntz, Frank Edward	1918 A (Chem)	North Tarrytown
Kuo, Cheng-Chih	1918 M	Canton, China
Kurcias, Max	1918 C	New York City
Kurtz, Chester Allen Rock	1919 M	Center Hall, Pa.
Kurtz, John Hamilton	1919 M	Portland, Ore.
Kurz, Ernst William	1917 C	Tarrytown
Kwaan, Hon-Kwong	1919 A	Hankow, China
LaBarre, Zella Amie	Spec Ag	Ithaca
Lackman, Luella Irene	1919 A	Troy
La Croix, Arthur Edward	1916 C	S. Hadley Falls, Mass.
Lacy, Leslie Verne	1917 Ar	Skaneateles
Ladd, Era Amos	1919 A	Batavia
Ladu, Roscoe Nelson	1918 Ag	Watervliet
La Fever, Mortier Wickham	1919 Ag	Corning
La Follette, Rollin Jerome, A.B.	Grad	Highland, Cal.
La Forge, Helen Grace	1919 A	Washington, D. C.
LaGrange, DeWitt	1918 V	Schenectady
Laidlaw, James Herbert	1916 A	San Diego, Cal.
Laird, John Evans	1918 C	Freehold, N. J.
Lake, Charlotte Huff	Spec Ag	Ithaca
Lake, Dyer Barker, B.S., M.S.	Grad	Ithaca
Lake, Irma	1919 Ag	Oswego
Lake, John Frederick	1919 Ag	Clinton, Ia.
Lalley, Harold Vincent	1919 A	Bridgeport, Conn.
Lalley, Walter Rowe	1917 A	Bridgeport, Conn.
Lally, Raymond James	1918 A	Pittsburgh, Pa.
Lamb, Horace Rand	1916 A	Norwalk, O.
Lamela, Manuel, M.D.	Spec M.D. (N.Y.C.)	San Juan, P. R.
Lamont, Wilbur Johnson	1916 L	Catskill
Lamoureux, Mabel	1919 Ag	Ithaca
Lamphier, Louise Lyman	1918 A	Torrington, Conn.
Landgraf, Dorothea Clark	1919 A	Ithaca
Landmann, Margaretta Veldran	Spec Ag	Oradell, N. J.
Landmesser, William Robert	1917 M	Newark, N. J.
Landon, Benson, jr.	1917 A	Chicago, Ill.
Landon, Charles Howard	1916 M	Buffalo
Landsman, Arthur Armin, Ph.G., M.D.	Spec M.D. (N.Y.C.)	New York City
Landres, Arnold Gregory	1916 Ag	New York City
Landt, James Lefferts, M.E.	Grad	Chatham
Lane, Edward Augustus, A.B.	1916 M.D. (N.Y.C.)	New York City
Lane, John Frederick	1919 Ag	Port Richmond
Langdon, Helen Cornelia	1919 Ag	Utica
Lanman, George Burnham	1916 M	Columbus, O.
Lanneau, Louise Cox, B.A.	Grad	Wake Forest, N. C.
Lansing, Charles Treadway	1916 A	Tenafly, N. J.
Lansing, Sanford Green	1916 A	Tenafly, N. J.
Larkin, Joseph Sylvester, jr.	1918 M	Pittsburgh, Pa.
Larkin, Leo Paul	1917 A	Ithaca
Larkin, Mary Valentine	1917 A	Atlantic City, N. J.
Larrabee, Edwin Stevens	1918 Ag	Binghamton
Larrabee, Wilber Pratt	1919 A	Minneapolis, Minn.
Larsen, Nils Paul	1916 M.D. (N.Y.C.)	Bridgeport, Conn.
Larson, John Munson	1919 Ag	Caldwell, N. J.
Larson, Oscar Leon	1919 A	Salt Lake, Utah
Lasher, Norman Valentine	1919 A (Chem)	Rochester
Lasher, Richard Earl	1919 M	New Hartford
de Laski, Arthur Bancroft	1918 M	Weehawken, N. J.
de Laski, Edgar Gustave	1917 A	Weehawken, N. J.
Lasser, Aaron	1918 L	Newark, N. J.
Lassiter, Lelia Hamilton	1918 A	Petersburg, Va.
Lathrop, Francis Cuming, 2d	1919 A	Wayne, Pa.
Latshaw, Joseph Bruce, B.S.A.	1916 V	Caruthersville, Mo.
Lattanzi, Julius Caesar	1916 Ag	New York City
Lattimore, Melva Myrtle	1917 Ag	Westmoreland
Lattin, Jay Drake Billings, A.B., B.S.	1919 M.D.	Albion
Lau, Kwai Cheuk	1918 A	Hongkong, China
Lau, Lo Naam	1919 A	Canton, China
Lauer, Walter Ernst	1919 Ag	New Rochelle
Lauritzen, John Irvin, B.S.	Grad	Ithaca
Lautz, Carl Francis	1917 M	Buffalo
Lautz, Theodore Van Vleck	1917 M	Buffalo
Lavadia, Pedro Celestino	1916 Ag	Manila, P. I.
Law, Stanley Overholt	1917 M	Pittsburgh, Pa.
La Ware, Edward William	1918 V	New York City
LaWare, John Henry	1919 Ag	New York City

Lawrence, Fred William	1918 Ag	Ogdensburg
Lawrence, Raymond Elliott	1916 Ag	Lakewood, O.
Lawrence, Wallace	1918 C	Baltimore, Md.
Lawrence, Walter Henry	1920 M	Corfu
Laws, Owens	1917 C	Baltimore, Md.
Lawson, Nora Pauline	1916 A	Ithaca
Lawton, Aubrey Walter	1918 A	Hudson Falls
Lay, Edwin Thorne	1919 Ag	Owego
Lay, Joseph Hill	1918 Ag	Oil City, Pa.
Lazo, Carlos	1918 L	New York City
Lazo, Mario	1916 L	New York City
Leach, Caroline Elizabeth	1919 Ag	Camillus
Lear, Ralph Walter	Spec Ar	Wilkes-Barre, Pa.
Leathers, Adelbert Llewellyn, Ph.B.	Grad	S. Orrington, Me.
Leavenworth, Franklin, jr.	1919 A (Chem)	Kingston, Pa.
Leavitt, Moses Aaron	1916 A (Chem)	Brooklyn
LeBlond, Harold Robson	1919 M	Cincinnati, O.
LeBœuf, Randell James, jr.	1919 L	Albany
Lebowsky, Harry	1917 Ag	Brooklyn
Lee, Haw Shen	1916 C	Chekiang, China
Lee, John Lawrence	1919 M	Springfield, Mo.
Leet, Horace William	1917 M	Fredonia
LeFevre, Peter Elting	1918 Ag	New Paltz
Leffingwell, William Murray	1919 C	Watkins
Lefkowitz, Joseph Victor	1919 C	New York City
Lefkowitz, Samuel	1918 A (Chem)	Brooklyn
Lehrbach, Warren Willma	1917 C	Buffalo
Leibman, Edwin	1919 M	Brooklyn
Leighton, Kilburn	1917 M	Syracuse
Leinroth, Eugene Alfred	1919 M	Philadelphia, Pa.
Leiphart, Forest McKinley	1919 A	Cambridge Springs, Pa.
Leister, Claude Willard	1917 Ag	West Point, Pa.
von Lengerke, Justus von Beust	1917 Ag	Orange, N. J.
Lent, Frank Burdett	1916 L	Ithaca
Lent, George Hunt	1919 L	Tuckahoe
Lentz, Albert Leroy	1919 M	York, Pa.
Leonard, Anna Mary	1919 Ag	Ithaca
Leonard, Donald Durie	1918 A	Ridgewood, N. J.
Leonard, George Russell	1917 M	Roseland, N. J.
Leonard, Harsey King	1918 V	Binghamton
Leonard, Henry Elcox	1917 Ag	East Orange, N. J.
Leonard, John Vincent	1916 Ar	Ithaca
Leonard, Mortimer Demarest, B.S.	Grad	Ithaca
Leonard, Samuel John	1917 C	Washington, D. C.
Lepore, Achille Michael	1919 L	Hoboken, N. J.
Leppart, John Culver	1919 A (Chem)	Rome
Lerner, Herman Bernard	1917 L	Newark, N. J.
Lerner, Saul Charles	1919 Ag	New York City
Lester, Donald Thomson	1919 A	Richburg
Levien, Nathan	1920 M	New York City
Levin, Reuben	1918 L	Manchester Depot, Vt.
Levine, Charles	1916 A	Brooklyn
Levine, Joseph	1918 A	Brooklyn
Levine, Joseph Milton	1919 A	New York City
Levinson, Michael Meyer	1916 A, 1919 M.D.	Hartford, Conn.
Levy, Charles Leon	1918 Ar	Wilkes-Barre, Pa.
Levy, Charles Marion	1916 A	New York City
Levy, Frank Mortche	1917 A (Chem)	Buffalo
Levy, Frank Rosenzweig	1918 A	Dunkirk
Lewi, Elka Saul, A.B.	Spec M.D. (N.Y.C.)	New York City
Lewis, Carrie May, A.B.	Grad	Catskill
Lewis, Corbin Devillo	1919 Ar	Brooklyn
Lewis, Edgar Donald	Spec Ag	Barryville
Lewis, Emily	1918 Ag	Utica
Lewis, George Hail	1919 M	Lynrold, Pa.
Lewis, John Perry, M.D.	Spec M.D. (N.Y.C.)	San Diego, Cal.
Lewis, John Shanshan	1916 L	Tribes Hill
Lewis, Marion Lavinia	1918 Ag	Pittston, Pa.
Lewis, William Lester	1919 M	Binghamton
LeWorthy, George Edwin, B.S.	1917 Ag	Waterville
Li, Chuan-heng	1918 C	Canton, China
Liao, Wei Tzu	1917 C	Foochow, China
Liddle, Ralph Alexander	1918 A	Argyle
Lidell, Don Arthur	1918 Ag	Schuyler Lake
Lieblich, Israel	1917 C	New York City
Liefeld, Walter Link, M.D.	Spec M.D. (N.Y.C.)	Passaic, N. J.
Liehr, Harry	1917 Ag	Indianapolis, Ind.
Lieke, Richard	1919 Ag	New York City
Lifschutz, William	1916 Ag	Brooklyn
Lightfoote, Deane Richard	Spec Ag	Geneva
Likly, Henry Kenneth	1917 A	Rochester

de Lima, Plinio	1916 M	S. Paulo, Brazil
Limont, Alexander Walter, jr.	1916 M	Bridgeport, Conn.
Lincoln, Donald	1916 A	Cleveland, O.
Lindau, Sigmund Baach	1917 C	Greensboro, N. C.
Lindberg, Harry Emil	1919 C	Buffalo
Lindsay, Daniel Curtis	1919 A	Beaver, Utah
Lindsay, Philip Knowles	1916 M	Ivy Depot, Va.
Lindsley, Eldredge Decker	1917 Ag	E. Orange, N. J.
Lindsley, George Lawrence	1919 A	Philadelphia, Pa.
Lindstrom, Ernest Walter, A.B.	Grad	Chicago, Ill.
Link, Oscar John	1918 Ag	Buffalo
Liotto, Sylvester	1919 A	New York City
Lippincott, William Leroy	1918 A (Chem)	Hornell
List, Daniel Clarence	1918 M	Washington, D. C.
Litchfield, Edward Harvey	1917 Ag	Ellicottville
Liu, Abraham Sang	1918 M	Honolulu, Hawaii
Liu, Cheng-lin	1918 Ag	Hanyang, China
Liuppold, Eugene John, M.D.	Spec M.D. (N.Y.C.)	Union, N. J.
Livant, Charles David	1917 C	New York City
Livant, Julius	1919 Ag	New York City
Livingston, Arabella Schemerhorn	1916 Ag	Ballston Lake
Livingston, George Shaynin	1916 Ag	Chicago, Ill.
Livingston, Robert Krohn	1916 M	Cincinnati, O.
Lloyd, Jonathan Edward	1919 C	Oak Hill, O.
Lo, Ying	1917 C	Kaing Si, China
Lobdell, Arthur Treadway	1916 A	Plattsburgh
Lobdell, Richard Nugent, B.S., M.S.	Grad	Rosedale, Miss.
Locke, Benjamin Northcutt	1918 M	Mexico, Mo.
Lockhart, W. Frank	1916 A	Ridgway, Pa.
Lockwood, Fred Foertner	1919 Ag	Hurley
Lockwood, Lloyd Depew	1916 M	Hurley
Lodge, Llewellyn Van Alst	1918 Ag	Montgomery
Loeb, Moritz Julius	1918 M	Chicago, Ill.
Løede, Frederick William, jr.	1919 Ag	New York City
Løeffler, Herman Charles	1916 C	Brooklyn
Løeffler, Mathilde Pauline	1918 A	Philadelphia, Pa.
Løeser, Eugene William	1916 Ag	Buffalo
Løwe, Leon, A.B.	1918 M.D. (N.Y.C.)	Brooklyn
Logan, Thaddeus Collins	1916 Ag	Lyons
Lohr, Lenox Riley	1916 M	Washington, D. C.
Lonergan, Michael Paul, B.S.	1918 M.D. (N.Y.C.)	New York City
Long, Alvin Edward	1917 Ag	Olean
Long, Edith Eggert	Spec Ag	Buffalo
Long, Eleanor Tatum, A.B.	Grad	Ithaca
Long, George Smith, jr.	1919 M	Tacoma, Wash.
Long, Norman Herbert	1919 L	Baltimore, Md.
Long, Paul Walker	1918 A	Huntington, W. Va.
Long, Tudor Seymour, A.B.	Grad	Ithaca
Long, William Michael	1916 V	Tully
Longwell, Henry Edgar, jr.	1916 A (Chem)	New Haven, Conn.
Loomis, Arthur Laurence	1918 A	Omaha, Neb.
Loomis, John Hervey	1916 A (Chem)	Ithaca
Loope, John Carlson	1918 Ag	McGraw
Lopes, Jose Carlos	1919 C	Itaguy, Brazil
Lopez, Francisco Federico, A.B.	1918 M	Salta, Arg. Rep.
Lopez, John Hinton	1917 M	Atlanta, Ga.
Lord, Russell Robbins	1919 Ag	Cockeysville, Md.
deLorenzi, Otto	1916 M	Dallas, Tex.
Losee, George Nash	1916 M	Elnora
Loth, Carl Conrad	Spec Ag	Waynesboro, Va.
Loudenslager, Clarke Bernard	1917 Ag	Quakertown, Pa.
Loughlin, Frank Joseph	1918 M	Westbury
Loughlin, John Donald	1918 Ag	Brooklyn
Lounsberry, Dean Elwood	1919 Ag	Potter
Lounsberry, Louis Martin	1918 V	Randall
Love, Jennings Kirk	1919 A	Johnstown, Pa.
Loveland, Benjamin Bristol	1918 V	Franklin
Lovenburg, Walter Everdell	1919 A (Chem)	Summit, N. J.
Loveridge, Elmer Fred	1919 Ag	Churchville
Loveridge, George Loomis	1918 A	Churchville
Lowe, Burton Miller	1919 M	Ryegate, Vt.
Lowe, Charles Boyd	1919 A	Tottenville
Lowe, Ernest Franklin	1920 M	Plainfield, N. J.
Lowe, Marion Minnie	1917 A	New York City
Lowenfels, Frank	1916 A	New York City
Lowman, Henry Mather	1919 M	Cleveland, O.
Lozovitsky, Myer Joseph, A.B.	1919 M.D. (N.Y.C.)	New York City
Lu, Feng-Shu	1918 C	Kiang-su, China
Lu, Yen Chih	1919 Ar	Shanghai, China
Lucas, Albert	1919 A	New York City
Lucas, Anna Vivian	1919 A	Hamonton, N. J.

Lucas, Peter Horatio	1916 A	Hammonton, N. J.
Lucchetti, Raul	1919 C	Ponce, Porto Rico
Luce, Amy Leone	1917 A	Riverhead
Luce, Carrie	*1919 Ag	Ithaca
Luce, Lawrence Edward	1919 M	Stratford, Conn.
Luce, Robert Francis	1917 M	Woodhaven
Luckings, Margaret Whitney	1918 A	New York City
Luckstone, Harold Charles	1919 Ag	New York City
Luckstone, Maurice Eugene	1920 M	New York City
Ludford, John Edward	1918 C	Caracas, Venezuela
Ludington, Franklin Gerald	1918 Ag	Mexico
Ludington, Howard Jerome	1917 Ag	Holley
Ludwig, Edward Earl	1916 Ag	Pittsburgh, Pa.
Lueder, Josephine Augusta	1918 A	Ithaca
Lukens, Arthur Lewis	1916 Ag	Philadelphia, Pa.
Lumsden, Mary Florence	1917 Ag	Ithaca
Lund, Gabriel Emanuel	1917 C	Kristiania, Norway
Lunden, Walter Carl	1916 L	Mt. Jewett, Pa.
Lunt, Gurney Alexander	1916 A	Dunkirk
Lurie, Herman	1919 L	Brooklyn
Luscher, Mary Elizabeth	1918 A	LeRoy
Luscher, Verena Lilian	1916 A	LeRoy
Lustberg, Benjamin Herbert	1918 A	New York City
Lutz, Herman Leonard	1917 A	New York City
Lybolt, Lillian Antionette	1918 Ag	Port Jervis
Lyford, Frederic Eugene, jr.	1916 M	Waverly
Lynch, Anita Genevieve	1916 A	Wilkes-Barre, Pa.
Lynch, Charles Henry	1917 Ag	New Hampton
Lynch, James Henry, jr.	1919 C	Buffalo
Lynch, James Lenahan	1919 L	Wilkes-Barre, Pa.
Lynch, Michael Joseph, B.S.	1916 M.D. (N.Y.C.)	New York City
Lyon, Harold Shepardson	1916 A	Brooklyn
Lyon, Katherine	1916 A	Hudson
Lytle, Lowry Raeburn	1916 Ar	South St. Paul, Minn.
Lytle, John Dooley, A.B.	1916 M.D. (N.Y.C.)	New York City
Ma, Yu Chi	1919 C	Amog, China
Maar, Harry Nicholas	1918 Ar	Buffalo
Mabee, Jennie Elizabeth	1919 A	Ithaca
Mabey, MacHenry	1917 V	Cuba
McAllister, John Wardale	1916 C	Roland Park, Md.
McAllister, Peter Alfred	1916 Ag	Ithaca
McAlpine, Malcolm Wright	1919 M	South Bend, Ind.
McAnlis, Chauncey Ruthven, B.S., C.E.	Grad	New Castle, Pa.
Macartney, Horace Bramwell	1916 A	Mamaroneck
McAuliff, John Leon	1918 V	Cortland
McBean, John Peter, jr.	1920 C	Philadelphia, Pa.
McBride, Earl James	1918 V	Warrensburg
McBride, Frank	1919 Ag	Moscow
McCallum, Charles Ray	1918 A	Milwaukee, Wis.
McCandless, Percival Alexander	1917 M	Vancouver, B. C.
McCandless, William Archibald, jr.	1918 A	St. Louis, Mo.
McCann, Arthur Fillingham	1916 A	Elmira
McCann, Arthur Hubbell	1916 V	Salamanca
McCann, Lloyd Laurence	1919 A	Paterson, N. J.
McCarthy, Edward Dennis	1917 A	Cattaraugus
McCarthy, Frank Charles	1918 L	Syracuse
McCarthy, George Harold	1920 M	New York City
McCarthy, John Robert	1916 C	New York City
McCarthy, Marie Helen	1916 Ag	Ithaca
McChesney, Harvey	1916 Ag	Brooklyn
McChesney, John David	1917 M	Brooklyn
McClain, Carl Arthur, B.S., C.E.	Grad	Eugene, Ore.
McClanahan, Margaret Hope	1916 A	Delta, Col.
McClelland, Ruth Jane	Spec Ag	New York City
McCluer, John Walter Hill	1920 C	Franklinville
McClung, Reid Lage, A.B.	Grad	Barboursville, W. Va.
McClure, Donald Fisher	1918 M	Glen Ridge, N. J.
McClure, John Hunter	1919 C	Richmond Hill
McClure, Samuel Kenneth	1919 A	Rossville, Ga.
McConne!, Murray	1918 C	So. Paula, Brazil, S. A.
McConnell, Carl Gilbert	1916 A	Ithaca
McCormick, John Joseph, M.D.	Spec M.D. (N.Y.C.)	Washington, D. C.
McCormick, Mary Harriett	1916 A	Troy
McCormick, William Stanley	1917 M	Penrose, Col.
McCoy, Clarence Arthur	1919 A (Chem)	St. Louis, Mo.
McCoy, Daniel Chauncey	1917 A (Chem)	Yonkers
McCrillis, John Edwards	1919 A	Akron
McCroddan, Lincoln	1916 A	Bloomfield, N. J.
McCune, James Edwin	1918 M	Brilliant, O.
McCune, Stanley Brittan	1918 V	Livingston Manor

McCurtain, Einsel Leroy	1917 M	Salt Lake City, Utah
McCutcheon, James Donald	1916 Ag	Pittsburgh, Pa.
McDaniel, Harriet	1917 Ag	Ithaca
MacDaniels, Laurence Howland, A.B.	Grad	Ithaca
McDermott, Morgan Bland	1916 M	Tucson, Ariz.
McDermott, Thomas Charles	1919 C	Stoneham, Mass.
McDermut, Charles Kiersted, jr.	1916 A	Leonia, N. J.
MacDonald, Albert Marvin	1919 Ag	Lockport
MacDonald, Araminta	1917 Ag	Delhi
McDonald, Carl Leuze, M.D.	Spec M.D. (N.Y.C.)	Cleveland, O.
McDonald, Charles Kenneth	Spec Ag	Ithaca
McDonald, John	1917 C	St. Louis, Mo.
McDonald, John Yates, A.B., A.M.	Grad	Charlestown, W. Va.
MacDonald, Neil Francis	1917 A (Chem)	Flushing
McDonell, Frank Williams	1919 M	New York City
McDonell, Howard Archibald	1918 M	New York City
McDonnell, Everett Nicholas	1918 M	Des Moines, Ia.
MacDougall, James Campbell	1919 M	Phoenixville, Pa.
McDowell, Leslie Thomas	Spec Ag	Spencerport
McDuffie, Roy Oliver	1918 A	Cincinnati, O.
Macedo, Jose Buarque	1916 C	Rio de Janeiro, Brazil
McElroy, Edward Burnham	1919 A	Erie, Pa.
McFadden, Charles Wade Close	1919 C	Philadelphia, Pa.
MacFarland, Donald Stikley	1917 Ag	Harrisburg, Pa.
McGill, Allen Lenoir	1919 Ar	Nashville, Tenn.
McGinn, Helen Elizabeth	1919 A	Indian Lake
McGinnies, Elliott Morse	1917 A	Ripley
McGoldrick, Joseph Leo, A.B.	1916 M.D. (N.Y.C.)	Brooklyn
McGowan, Henri Charbonnier, B.S.E.E.	Spec C	Augusta, Ga.
MacGowan, Hilliard Vincent	1918 M	Los Angeles, Cal.
McGranaghan, Edmund Burke	1918 Ag	Hancock
McGraw, Augustus Sproat	1919 Ag	Valley Falls
McGraw, Robert Bush	1918 A (Chem)	Ithaca
MacGregor, Ross Edward	1918 C	Malone
McGrew, Walter Browning	1918 Ag	Chicago, Ill.
McGuinness, William Vincent	1916 M	Winfield
Machan, John Henry	1917 L	Ithaca
McIlhenny, Samuel, 3d	1919 M	Harrisburg, Pa.
McIlvaine, Theodore Clinton, B.S.	Grad	Paradise, Pa.
McInerney, Mortimer Leo	1916 Ag	Elmira
McIntire, Walter Hoge, B.S., M.S.	Grad	Knoxville, Tenn.
Mack, Charles Ambrose, M.D., A.B.	Spec M.D. (N.Y.C.)	New York City
Mack, Edward Lawrence, B.S.	Grad	Ithaca
Mack, Harry Elias	1917 A	Brooklyn
Mack, Lucy Marion Loveland	1919 A	Albion
Mack, Russell Harvey	1919 L	Canton, O.
McKay, Marguerite	1918 A	Geneva
McKeage, John Anderson	1916 M	Montrose, Pa.
MacKellar, John Walter	1918 A	Blauvelt
Macken, Harold Irving	1918 C	New Brighton
Mackenzie, Donald Alexander	1917 C	Highland Falls
MacKenzie, Hugh	1916 A	Millbrook
MacKenzie, Robert Emerson	1917 A	Canton, O.
Mackeown, Samuel Stuart	1917 A	New York City
McKiernan, William Aloysius	1916 Ag	Brooklyn
McKinney, Asa Emanuel, A.B., A.M.	Grad	Scircleville, Ind.
McKinney, John Carl	1916 Ag	Cortland
McKinney, Robert Asa	1918 V	Cortland
McKinistry, Ross Waldron	1918 C	Chicago, Ill.
Mac Kirdy, Howard Spencer, B.A.	1919 M.D. (N.Y.C.)	New Britain, Conn.
McLaren, Don Andrew	Spec Ar	Hillsdale, Ore.
McLauchlin, Russell Jæhne	1916 L	Detroit, Mich.
Maclay, Donald Edwin	1918 Ag	Buffalo
Maclay, Geoffrey Edward	1917 A	Buffalo
MacLean, Crandall Donald	1919 C	Binghamton
McLean, Harriet Tuttle	1918 A	Windham
McLendon, Jesse Sumpter	1918 M	Waco, Tex.
MacMahon, James Douglas	1916 A (Chem)	Niagara Falls
McMaster, Donald	1917 A (Chem)	Rumford, Me.
McMaster, Marcenus Darius	1916 M	Rochester
MacMillan, Kenneth Duncan	1917 A	Pittston, Pa.
McMillin, Edwin Russell	1917 C	Wilkinsburg, Pa.
McMurry, Katherine Lindley	1918 A	Yonkers
McNair, George Henderson Stanser	1918 C	New York City
McNaughton, Robert Henry	1916 Ar	Akron, O.
McNeil, Horace John	1919 M	Flatbush
McNicol, Jessie Bone	1919 A	New York City
McNulty, Dwight Leeds	1919 M	Rutherford, N. J.
Macpherson, James William	1919 M	Brooklyn
McPherson, Mannon Greer	1917 Ag	Elmira
McQuellan, Arthur Spaulding, A.B.	1916 M.D. (N.Y.C.)	Plattsburg

Macrae, Howard Alexander	1919 Ag	Providence, R. I.
McSparran, Dorothy	1918 A	Furniss, Pa.
McStocker, Francis Blakeley	1919 M	Honolulu, Hawaii
MacVeagh, Wayne	1916 C	Williamsport, Pa.
McVetty, Percy George, M.E.	Grad	Ithaca
McVicar, Herbert Kenneth	1918 Ag	Conesus
MacWhorter, Mabelle Vassar	1917 Ag	Ithaca
Macy, Harold	1917 Ag	Hudson
Maddy, John Churchill	1918 Ag	Ithaca
Madigan, Frank Thomas	1916 A	Herkimer
Mænak, Warren	1916 M	West Collingwood, N.J.
Magens, Hans Juergen	1918 V	Clifton Springs
Maguire, James Barry, jr.	1916 Ag	Rochester
Maguire, William Howard, A.B.	1917 L	Portland, Ore.
Maidment, Miss Carol	1917 Ag	Sea Cliff
Maier, Dorothy Carol	1917 A	Bloomfield, N. J.
Maier, Raymond William Richard	1919 Ag	Rochester
Maier, William	1917 Ag	Gloversville
Main, Albert Henri	1916 Ag	New York City
Malcolm, Talbot Marion	1918 A	Ithaca
Mallan, Daniel Henry	1918 V	New York City
Mallery, John Stanley	1916 C	Owego
Mallery, Roger Henry	1919 Ag	Owego
Mallory, Donald Lee	1917 A	Brooklyn
Mallory, William Garfield, A.B., A.M.	Grad	Ithaca
Malone, Erwin Lionel	Spec M	Pittsburgh, Pa.
Malone, Joseph Garcin	1916 A	Louisville, Ky.
Malone, William	1918 C	New York City
Maloney, Louis Brown	1918 C	Watkins
Maloy, Thomas Patrick, B.S.	Grad	Rochester
Manchester, Adolph Archibald	1917 Ag	Brooklyn
Mandel, Simon David	1918 Ag	Brooklyn
Mandelberg, Joseph	1916 A, 1919 M.D.	Brooklyn
Mankin, Gilbert Haven, A.B.	1917 M.D. (N.Y.C.)	Thurmond, W. Va.
Manning, Frank LeRoy	1919 Ag	Otisville
Manning, Lester Silvester	1916 Ar	Trumansburg
Mapes, Frederick John	1919 Ag	Jordan
Mar, Frank William	1918 Ag	Richmond Hill
Marcoglou, Aristides Sawas	1919 M	Candia, Greece
Marcus, Harry Louis	1916 Ag	Brooklyn
Marcus, Matthew	1918 Ag	New York City
Mardfin, Emile	1916 Ag	New York City
Maretzke, Edwin	1918 Ag	Yonkers
Margulis, Abraham Bernard, B.S.	1918 V	Ithaca
Markham, Miles Capron	1918 V	Constableville
Markham, Robert Benjamin	1917 Ag	Turin
Marks, Bernice, A.B.	1918 M.D. (N.Y.C.)	New York City
Marsh, Anna	1918 A	Brooklyn
Marsh, Frederick Howard Vermilyea	1919 A	Westfield, Pa.
Marsh, Henry Birdsall	1917 Ar	Summit, N. J.
Marshall, Archibald Warren	1919 A	Deming, N. M.
Marshall, Linda	Spec Ag	Sherman
Marsland, Merwin Elliott, A.B.	1918 M.D. (N.Y.C.)	Hamden
Martin, Addison Leavens	1918 L	Atlanta, Ga.
Martin, Arthur Howard	1916 Ag	Attica
Martin, Miss Dennis, A.B., A.M.	Grad	El Dorado Springs, Mo.
Martin, Gladys, A.B., A.M.	Grad	El Dorado Springs, Mo.
Martin, Harry Phillips	1919 M	Tomkins Cove
Martin, Harwood	1916 Ag	Honeoye Falls
Martin, Honora Agnes	1917 A	Perth Amboy, N. J.
Martin, Howard Eshelman	1918 V	Clarence Center
Martin, James William Herman	1917 M	Coatesville, Pa.
Martin, John Ward	1918 C	Chicago, Ill.
Martin, Norman George	1918 C	Elizabeth, N. J.
Martin, Richard Houghton	1919 Ag	Lima
Martin, Russell Warner	Spec Ag	West Henrietta
Martin, Thomas Lysons, A.B.	Grad	American Fork, Utah
Martin, Victor Kinnaman	1918 A	Buffalo
Martinez, Arturo	1916 A, 1919 M.D.	Maraguez, P.R.
Martinez, Donald Skillman	1919 Ar	Oak Park, Ill.
Martsoff, Arthur Louis	1918 Ar	New Brighton, Pa.
Marx, Ellen Hedwig	1919 A	Newark, N. J.
Mason, Scott Bryden	1919 L	Buffalo
Massey, Louis Melville, A.B.	Grad	Ithaca
Masson, Joseph DeMarnoz	1918 A	Hammondsport
Masterman, Arthur John	1919 Ag	Niagara Falls
Matakonsky, Harry	1918 A (Chem)	Port Chester
Mathews, Alexander Ferdinand	1919 M	Lewisburg, W. Va.
Matter, Guy Earl	1916 Ag	Ithaca
Matthews, Harry Grant	1917 C	Ithaca
Matthews, James Evart	1917 M	Brooklyn

Matthews, Paul Denison	1918 M	Wilmington, Del.
Matthiessen, Richard Peck	1918 A	Chicago, Ill.
Mattli, Peter Antony	1918 Ag	Gosehnevalp, Switzerland
Mauer, Jacob Clarence	1919 Ag	Cohoes
Mawha, James Kenneth	1919 M	Newark, N. J.
Maxeiner, Carl August	1918 C	Albany
Maxstadt, Francis William, jr.	1916 M	Monroe
Maxwell, Archibald McIntyre	1918 A	Huntington
Mayer, Albert Kenneth	1917 Ag	Brooklyn
Mayer, Clyde	1919 M	Williamsport, Pa.
Mayer, Ludwig Stolz	1918 Ag	Albany
Mayer, William Henry, jr., A.B.	1917 M	Brooklyn
Mayer, William Lyndon	1918 Ag	Durhamville
Mayers, Lester	1916 A	New York City
Maynard, Franklin Purdy	1919 Ag	Stamford
Maynard, Kingsley Darwin	1918 A	Roscoe
Mazurowski, Bruno Casimir	1916 A, 1919 M.D.	Buffalo
Meachem, William Rooseboom	1919 C	Chicago, Ill.
Mead, Loren Joseph	1916 Ag	Santa Ana, Cal.
Mead, Robert Gillespie, 2d, C.E.	1917 C	Ossining
Meade, Bernard Clarence	1916 V	Watkins
Meade, De Voe, B.S.	Grad	Ithaca
Medlong, Frederick William	1919 Ar	Oswego
Meier, Henry Van	1919 A	Parker, S. D.
Meier, Walter Julius	1919 C	St. Louis, Mo
Meinhold, Louis	1918 V	New York City
Meissner, George Frederick William	1919 C	New York City
Meissner, Harold Gustav	1917 M	New York City
Meissner, James Armand	1918 M	Brooklyn
Meister, Henry Joseph, A.B.	1916 M.D. (N.Y.C.)	Dunkirk
Mekeel, Amy Grace, A.B.	Grad	Trumansburg
Meldrum, Clifford Curtis	1919 M	Brooklyn
Mellen, Arthur William, jr.	1917 C	New York City
Mellinger, Marion Frances	1918 A	Buffalo
Melniker, Jerome	1919 A	Stockton, N. J.
Melniker, William	1916 A	Stockton, N. J.
Mendinhall, Edward, jr.	1916 M	Newport, Del.
Meneses-Comas, Concepcion	Spec Ag	Ithaca
Meneses-Comas, Joseph Louis	1919 Ag	Ithaca
Meng, Harold Anthony	1917 Ag	Rochester
Menke, Chester Hume	1916 Ag	Ithaca
Menocal, Jacinto John G'de	1919 M	Chaparra, Cuba
Mentzinger, William Fred, jr.	1919 C	Rockaway Beach
Mereness, Kneeland Abram	1919 M	Sharon Springs
Merker, Herman	1918 M	Milwaukee, Wis.
Merrell, Cyrus Walbridge	1917 A	Webster Grove, Mo.
Merrell, George, jr.	1919 A	St. Louis, Mo.
Merrick, John Finney	1917 M	Hamilton, Ontario
Merrick, Lester Finney	1918 M	Hamilton, Can.
Merrill, Dudley Ræ	1919 Ag	Brooklyn
Merrill, Frederic Brettell	1917 Ag	Schoharie
Merrill, Russell Hyde	1918 A (Chem)	Des Moines, Ia.
Merritt, Douglas Depuy	1919 Ag	Woodbourne
Merry, William Lincoln	1916 M	Rockville Centre
Mertens, Jacob, jr.	1919 A	New Rochelle
Mertz, Pierre	1918 M	Jamaica
Merwin, Richard Berkley	1918 Ag	New York City
Meseroll, Walter Black	1919 Ag	Bernardsville, N. J.
Messinger, Edith Katherine	1919 Ag	Oakfield
Meston, Robert Scott	1916 C	St. Louis, Mo.
Metcalf, Franklin Post, B.A.	Grad	Oberlin, O.
Metzger, Herbert John	1918 V	Groton
Metzger, Herbert Martin	1916 Ag	New York City
vander Meulen, Peter Andrew, B.Chem.	Grad	Ithaca
Meyer, Dudley Ray	1916 Ag	Summit, N. J.
Meyer, Garret Frederick	1918 A	St. Louis, Mo.
Meyer, Garson	1919 Ag	Rochester
Meyer, George Charles	1917 M	Rochester
Meyer, Helen Luise	1919 A	Marcy
Meyer, Monroe Abraham, A.B.	1916 M.D. (N.Y.C.)	New York City
Meyer, Robert Oliver	1917 M	St. Louis, Mo.
Meyerson, Hyman	1919 Ag	New York City
Meyerson, Samuel	1917 Ag	Brooklyn
Meyler, Robert Gephard	1916 M	Los Angeles, Cal.
Michleson, Benjamin Charles	1919 C	Chicago, Ill.
Michener, John Hanson	1916 A	Erie, Pa.
Micou, Benjamin Hall	1916 A	Washington, D. C.
Micou, Creswell Mac Murray	1918 L	Washington, D. C.
Middaugh, Irving Seely	1918 Ag	Brookton
Middleditch, Livingston, jr.	1916 A	Hartsdale
Middlehurst, Arthur Edward	1919 Ar	Vincennes, Ind.

Middleton, Cornelius Walworth	1916 C	Brooklyn
Miffin, Adelaide Morton	1917 A	Ridley Park, Pa.
Migrdichian, Vartkes	1919 A	Rodosto, Turkey
Mihalko, Richard Barner	1919 V	Hobart
Mikes, Otto Bert	Spec Ar	Cleveland, O.
Miles, George Adgett	1919 Ag	Canandaigua
Miles, George Swiggart	1918 A	Union City, Tenn.
Milici, Attilio, B.A.	1916 M.D. (N.Y.C.)	New York City
Millard, Ernest Horatio	1916 M	Kingston, Pa.
Millard, Hugh Ezra	1916 Ag	Omaha, Neb.
Millard, Joseph Hopkins	1918 A	Omaha, Neb.
Miller, Alexander	1918 A	Brooklyn
Miller, Asa Lewis	1919 Ag	Spring
Miller, Charles Edmund	1918 A (Chem)	Lakewood, N. J.
Miller, Charles Marion	1918 A	Mayville
Miller, Charles Stern	1919 A	Corona
Miller, Clarence Merton	1918 V	Wells River, Vt.
Miller, Cyrus W.	1918 M	Brooklyn
Miller, Eda Grace	1918 A	Wilkes-Barre, Pa.
Miller, Elizabeth Janet	1919 Ag	Ithaca
Miller, George	1917 C	Bridgeport, Conn.
Miller, George Sidney	1918 Ag	Spring
Miller, Harold George	1917 C	East Orange, N. J.
Miller, Henry Rohrer	1919 Ag	Harrison
Miller, John Howard	1919 A (Chem)	Phoenixville, Pa.
Miller, Laura	1916 A	New York City
Miller, Martha Hines	Spec Ag	New York City
Miller, Nathan Abraham	1919 L	Canal Fulton, O.
Miller, Peter Paul	1918 Ag	Buffalo
Miller, Robert Bullock	1919 A	Fitchburg, Mass.
Miller, Robert Robertson	1918 C	Waterbury, Conn.
Miller, Thomas Winfrey	1917 Ar	Buffalo
Miller, Walter John	1918 Ag	Stevensville
Miller, Walter Lewis	1919 A	Thompson, Pa.
Miller, Wayne Downing	1919 M	Meriden, Conn.
Milligan, William Girvan	1918 Ag	New York City
Milliken, Norman Clarence	1919 C	Poughkeepsie
Milliman, Ross Linzy	1919 C	Rochester
Mills, Allison Curtis	1917 A (Chem)	Gloversville
Mills, Geneva Marguerite	1916 A	Binghamton
Mills, Grover Cleveland, B.M.E.	1916 M	Kenton, Ky.
Mills, Harold Strycker	1917 Ag	New York City
Milmoe, Margaret Dorothea	1919 A	Canastota
Milton, Margaret Kirtley	1918 A	Memphis, Tenn.
Minasian, George Talmage	1919 M	Glen Ridge, N. J.
Mindes, Bernard	1919 L	Newark, N. J.
Ming, Frederick Woo	1920 Ar	Oakland, Cal.
Minier, Julian Rider	1919 Ag	Waco, Tex.
Minier, Justus Arthur	1917 Ag	Waco, Tex.
Minnick, Jennie Theresa	1916 Ag	Boston
Minns, Lua Alice, B.S.	Grad	Lodi, O.
Minshall, Robert	1917 M	Terre Haute, Ind.
Minton, Maurice Meyer	1917 Ag	Brooklyn
Miranda, Rafael Joseph	1919 M	Ithaca
Miron, Adolph	1918 M	Elizabeth, N. J.
Miscall, Leonard	1919 C	Albany
Misner, Edward Gardner, B.S.	Grad	Dairyland
Mitchell, Albert Knell	1917 Ag	Albert, N. Mex.
Mitchell, Alice Pauline	1919 A	Ithaca
Mitchell, Charles Malcolm	1919 C	New York City
Mitchell, Marguerite	1919 Ag	Parkesburg, Pa.
Mittelman, Louis	1919 A	Buffalo
Moakley, Mildred Anna	1918 Ag	Ithaca
Modjeski, Charles Emanuel John	1919 C	Chicago, Ill.
Moench, Laura Mary, A.B.	1919 M.D.	Gowanda
Moersfelder, William John	1919 Ag	New York City
Moesel, Julia	1916 A	Buffalo
Moffat, Reuben Curtis	1918 A	Ithaca
Moffitt, John Adams	1916 A	New York City
Moffitt, Robert Colborn	1918 M	Wallace, Idaho
Moir, John Troup, jr.	1916 Ag	Papaikow, Hawaii
Moir, William Whitmore Goodale	1918 Ag	Papaikou, Hawaii
Moline, Hilda Josephine	1919 Ag	Patterson
Mollenberg, Harold Jacob	1919 M	Buffalo
Molony, Harman Martin	1917 M	Philadelphia, Pa.
Molther, Francis Rattoone	1917 Ar	Brooklyn
Monaghan, Thomas Aloysius	1916 C	New York City
Monahan, Edward, jr.	1918 Ag	Johnstown
Monnett, Victor Elvert, A.B.	Grad	Ithaca
Monroe, George William, jr.	1918 A	Dryden
Montgomery, Gilbert McKean	1916 Ag	Glen Moore, Pa.

Montgomery, Mazine Erminie	1918 Ag	Montour Falls
Montgomery, Mazie Caroline	1917 A	Montour Falls
Montillon, Eugene Davis, B.Arch.	Grad	Ithaca
Moody, Julia Boyette	1916 A	Memphis, Tenn.
Moody, Perlle Hunter	1916 A	Memphis, Tenn.
Moody, Robert Elbridge	1918 A	Rushville
Moodey, Warren Lafayette, B.S.	Grad	Charlotte, N. C.
Moon, Hubert Hill	1918 Ag	Burke, Va.
Moon, Merl Perrott, A.B.	1917 Ag	Beaver Falls, Pa.
Moore, Charles Benton, B.S. in C.E.	1916 C	Marion, Ala.
Moore, Clarence William	1916 Ag	West Henrietta
Moore, Dean Crawford	1918 A	Troy Hills, N. J.
Moore, Erwin Veranus	1917 V	Ithaca
Moore, Franklin Chamberlin	1917 M	Cleveland, O.
Moore, Harold Henry	1919 A	Auburn
Moore, Harry Cordery	1918 M	Atlantic City, N. J.
Moore, Irwin Likely	1917 A	Worcester, Mass.
Moore, James	Spec Ag	Kenwood
Moore, James Humphrey	1916 M	New York City
Moore, John Dudley	1916 V	Albion
Moore, Kenneth Phelps	1916 C	Bridgeport, Conn.
Moore, Lloyd Edward, B.S.	1917 V	Pine Plains
Moore, Lloyd Roberts	1916 A (Chem)	Troy Hills, N. J.
Moore, Lucius	1917 Ar	Hudson
Moore, Raymnod Alfred	1918 Ag	Rutland, Vt.
Moore, Revere John	1916 Ag	Richmond Hill
Moore, Robert Booth, M.D.	Spec M.D. (N.Y.C.)	Searey, Ark.
Moore, Roy Wallace	1918 Ag	Silver Creek
Moore-Smith, Jane Janetta	1918 A	Monsey
Moran, Amy Spencer	1917 A	Philadelphia, Pa.
Morath, George Sylvester, B.S.	Grad	Utica
Mordoff, Richard Alan, B.S. in Agr.	Grad	Ithaca
Morehouse, Russell, A.B.	Grad	Utica
Morey, Douglas	1916 A	Lowell, Mass.
Morey, James Benedict	1918 M	Buffalo
Morgan, Charles Frederick	1918 M	Philadelphia, Pa.
Morgan, Daniel Stentz	1917 Ag	Uniontown, Pa.
Morgan, George Neff	1919 Ag	Uniontown, Pa.
Morgan, George Rose, B.S.	1916 M	Greenville, S. C.
Morgan, William Lionel	1917 A	Honolulu, T. H.
Morrell, Weston Wardell	1919 A (Chem)	Meriden, Conn.
Morrill, Channing Hawkes	1919 Ag	Richmond Hill
Morris, Charles Van Wie	1917 V	Binghamton
Morris, Ellen Taylor	1919 A	Philadelphia, Pa.
Morris, Ethel Mae	1918 Ag	Perry
Morris, Henry Gray	1918 A	Jamestown
Morris, Henry Le Conte	1916 Ag	Lodi
Morris, John Samuel	1917 M	Denison, Tex.
Morris, Leighton Hayes	Spec Ag	Farmersville
Morris, Mary Elizabeth	1918 A	Oil City, Pa.
Morris, May Louise	1917 Ag	Lodi
Morris, Rexford Lansing	1917 M	Rochester
Morris, Robert Porter	1919 Ag	Lodi
Morrison, Charles Townley	1919 A	Ithaca
Morrissey, Walter Augustine	1919 A	Pittsfield, Mass.
Morrow, Anna Horton	1917 Ag	Ithaca
Morrow, Nelson Doolittle, B.S.	Grad	Lockport
Morse, Donald Emerson	1919 Ag	Rochester
Morse, Everett Ralph	1916 M	Ithaca
Morton, John Waller	1918 C	Washington, D. C.
Morton, Ralph Encell	1917 Ag	Beaver, Pa.
Moses, Fannie	1918 A (Chem)	Baltimore, Md.
Moses, Olga Dorothea	1917 A	Mt. Vernon
Moses, Winifred, B.S.	Grad	Ithaca
Mosher, Merrill Albert	1916 A (Chem)	Hornell
Mosier, Merle Marion, A.B.	1917 M.D. (N.Y.C.)	Demarest, N. J.
Moskowitz, Leo Charles	1919 Ag	Rochester
Moss, Beatrice Lillian	1919 Ag	Ithaca
Mosser, Joseph Franklin	1919 M	Allentown, Pa.
Motokawa, Ichiro	1916 M	Honolulu, T. H.
Mott-Smith, Harold Meade, jr.	1918 A (Chem)	Schenectady
Mott-Smith, Stanley	1919 M	Honolulu, T. H.
Mould, Clarence William	1917 V	Montgomery
Moulton, Paul Swain	1917 A	Ashton, S. D.
Moxley, Lucile Mildred	1919 Ag	Riverside
Muckle, Leo Augustine	1916 Ag	Stanley
Mueller, Lucien Wilbur	1917 M	Decatur, Ill.
Muesebeck, Carl Frederick William	1916 Ag	Brockport
Muldoon, William E., D.V.M.	Grad	Waverly
Mullen, Fred Berry	1916 C	Jamaica
Müller, Gladys Marie	1917 A	Brooklyn

Muller, Richard Theodore	1916 Ag	New York City
Mullikin, Alfred	1917 C	Baltimore, Md.
Munisteri, Philip	1919 C	Brooklyn
Munsick, David Roger	1918 A	Maplewood, N. J.
Munson, William Cornelius, jr.	1919 Ag	New York City
Munz, Philip Alexander, A.B., A.M.	Grad	Denver, Col.
Murdoch, Raymond Lester	1916 A 1919 M.D.	Okeene, Okla.
Murlin, John Raymond, Ph.D.	1919 M.D. (N.Y.C.)	Hastings-on-Hudson
Murphey, Will Brown	1918 M	Baltimore, Md.
Murphy, Helen Elizabeth	1917 Ag	Phoenix
Murphy, John Leo	1918 Ag	Morristown, N. J.
Murphy, Paul Charles	1919 C	St. Paul, Minn.
Murphy, Robert Aloysius	1918 Ag	New Rochelle
Murray, Harold Baldwin	1916 M	Washington, D. C.
Murray, Harry Eugene	1919 L	Springfield Gardens
Murray, John Marshall	1919 Ar	New York City
Murray, Malcolm Gibson	1917 Ag	Kansas City, Mo.
Murray, Mary Isabel	1919 A	McDonell, Pa.
Murray, Ruby Rivers, A.B., A.M.	Grad	Guilford, Conn.
Murray, William Hallam Gillis	1916 M	Binghamton
Murray, William Henry	1920 C	Altoona, Pa.
Murrian, Leo Vincent	1917 V	Port Jervis
Muskovin, Albin	1918 V	Cortland
Myers, Bernard	1919 L	Rochester
Myers, Edgar	1917 Ag	Connersville, Ind.
Myers, Harvey William	1918 V	Kenoza Lake
Myers, Helen Parker	1916 A	Buffalo
Myers, Ira Henry	1917 A	Buffalo
Myers, Irving	1918 A	Rochester
Myers, Jesse Lincoln	1918 M	Toledo, O.
Myers, Ralph Emerson, A.B., M.A.	1918 M.D. (N.Y.C.)	Cobleskill
Myers, Ralph John	1917 A	Pittsburgh, Pa.
Myers, William Harley	1918 Ag	Ithaca
Myers, William Irving, B.S.	Grad	Ithaca
Mylchreest, Joseph Warren	1919 Ar	Middletown, Conn.
Nabenhauer, Fred Paul	1917 Ag	Stapleton
Nadelman, Martin	1919 Ag	Jamaica
Nadler, Aaron Morris	1917 Ag	Brooklyn
Nagler, Salyg	1918 C	New York City
Nakahara Waro, B.S.	Grad	Tokyo, Japan
Nakamoto, Goichi	1917 C	Hilo, Hawaii
Nankivell, Francis John	1918 M	New York City
Nanz, Ralph Simpson, B.S.	Grad	Ithaca
Nash, Jack Thomas	1916 C	Ft. Worth, Tex.
Naugle, John Frank	1916 M	Beaver Falls, Pa.
Nauman, Luther Marshall	1918 Ag	Ithaca
Nauss, Henry George	1916 Ag	New York City
Nazel, John Milton	1918 L	Philadelphia, Pa.
Neate, Nathan Menzo	1917 V	Falconer
Needham, John Taylor	1918 Ag	Ithaca
Neff, Lewis Knode, jr.	1917 A	New York City
Neill, Edward Ellington	1919 A	Ithaca
Nelms, Frank, jr.	1918 Ag	Philadelphia, Pa.
Nelson, Arthur Adams	1916 Ag	Yonkers
Nelson, Forrest Prince	1919 Ag	Groton, Vt.
Nelson, Gertrude Helen	1916 Ag	Willseyville
Nelson, James Mandeville	1919 Ag	Mt. Vernon
Nelson, Nathan Loeb	1919 Ag	Brooklyn
Nelson, Samuel Herman	1919 L	Newark, N. J.
Nelson, Thomas Leete	1916 A	Binghamton
Nesbit, Malcolm Montgomery	1919 A	Edgewood, Pa.
Nethercot, David George	1919 C	Winnetka, Ill.
Neu, Edgar Wesley	1920 C	Buffalo
Neuhaus, Ralph	1918 M	Houston, Tex.
Neumaier, Martin	1916 C	New York City
Neuwirth, Isaac, B.S.	1919 M.D. (N.Y.C.)	New York City
Nevens, Milton Alson	1919 Ag	Glens Falls
Neville, Homer Borst	1917 Ag	Sharon Springs
Newbury, George Adelbert	1917 L	Ripley
Newland, Fay Hartman, A.B.	Grad	Fall River, Mass.
Newlander, John Alvin	1918 Ag	Penn Yan
Newman, Samuel	1916 A (Chem)	Brooklyn
Newton, Edward Martin, jr.	1918 M	Ithaca
Newton, Norman Toivo	1919 Ag	Brooklyn
Nicholas, Apollon John	1917 L	New York City
Nichols, Leslie Irving	1918 Ar	Evanston, Ill.
Nichols, Melvin	1918 A (Chem)	Dayton, O.
Nicholson, Raymond Vail	1919 C	Philadelphia, Pa.
Nickles, Edward Belmer	1918 M	Washington, D. C.
Niedeck, Marguerite	1917 Ag	Ithaca

Niedeck, May Evelyn	1917 Ag	Ithaca
Niedringhaus, Frederick Emmons	1917 M	St. Louis, Mo.
Niedringhaus, William Francis	1918 M	St. Louis, Mo.
Nightingale, Donald James	1918 Ag	New York City
Nill, Frederick	1919 C	Buffalo
Nirenberg, Bertram	1918 M	Brooklyn
Noback, Gustave Jospeh	1916 Ag	New York City
Noble, Clarence Vernon	1916 Ag	Ithaca
Noble, George Lansing	1918 M	Houston, Tex.
Noble, Leland Foreman	1919 V	Mannsville
Noble, Ralph Edwin	1919 Ag	Ithaca
Noonan, Henry Patrick	1918 V	Honeoye Falls
Nordlinger, Stephen Louis	1919 A	New York City
Norris, Elton Rockwell, B.Arch.	Grad	Cleveland, O.
Norris, Olive Katherine, B.A.	Grad	Spencer
Norton, Brainard Cleveland	1917 A	Southport, Conn.
Norton, Charles Erastus	1920 M	Byron
Norton, Darwin Parker	1918 Ag	Oneida
Norton, Laurence Joseph	1917 Ag	Middle Granville
Norton, William Kenneth	1918 Ar	Omaha, Neb.
Norwood, Stanley Marion	1918 A (Chem)	Ithaca
Nourse, Walter Burton	1916 Ag	Casanova, Va.
November, Nathan	1919 C	Brooklyn
Novogrudsky, Barnet	1919 A	New York City
Nugent, Paul Fordham	1919 A	Southampton
Nugent, William Post	1916 M	Southampton
Ober, John Lewis	1916 C	Solvay
Oboler, Archibald	1917 L	Brooklyn
O'Brian, Gerald Aldrich	1918 Ag	Fredonia
O'Brien, Denis Henry	1917 M	Forsyth, Mont.
O'Brien, Earl Francis	1918 C	Solvay
O'Brien, Franklin Parsons	1919 A	Evanston, Ill.
O'Brien, James Chalmers	1917 A	Evanston, Ill.
O'Brien, John Emmett, A.B.	1917 L	Shortsville
O'Brien, John Leo	Spec Ag	Binghamton
O'Brien, William Bourke	1919 M	East Orange, N. J.
O'Connell, Bernard Loyal	1918 A	Plattsburg
O'Connell, Geoffrey Maurice	1917 A	Ithaca
O'Connor, Edward Francis	1919 M	Watertown
Odesky, Herman	1919 C	Brooklyn
Ogilvie, Thomas Fleisher	Spec Ag	New York City
Ogle, Ralph Edward	1918 Ar	Washington, D. C.
Ogren, Carl Francis	1917 M	Brooklyn
O'Heir, Hugh Bertram	1918 A	Hamilton, Can.
Ohl, Alfred	1919 M	Yonkers
Ohlbaum, Claude	1918 A	Brooklyn
Olcott, Charles Townsend, A.B.	1916 M.D. (N.Y.C.)	New York City
Oldreive, Albert George	1918 Ag	Cleveland, O.
Olds, Edwin Glenn	1918 A	Lockport
Olds, Leon Audrey	1919 A	Cortland
Oles, Wilbur Scott	1916 Ag	Delhi
Olin, Robert Nelson	1917 M	Buffalo
Oliver, Lockwood	1920 M	Cleveland, O.
Olney, Herbert Mason	1918 L	Vernon Centre
Olsen, Arthur	1918 L	S. Norwalk, Conn.
Olsen, William	1919 M	Brooklyn
Olson, Oliver Melvin	1918 Ag	Alta, Iowa
Olsson, Axel, A.B.	Grad	Gloversville
Oppermann, William Wells	1916 L	Poughkeepsie
Orme, Charles Dickerson	1917 A	Atlanta, Ga.
O'Rourke, Charles Edward	1917 C	New York City
O'Rourke, Edward, jr.	1918 L	Ft. Wayne, Ind.
Orr, Ralph William	1916 L	Adams, Mass.
Ortner, Howard Burnship	1918 Ag	Buffalo
Orton, Malcolm Fuller	1919 A	Elmhurst
Osborn, Lois Curtis	1916 Ag	Ithaca
Osborn, Marie Delano	1917 Ag	Niagara Falls
Osborne, Charles Herrick	1918 M	Warrensburg
Osborne, Loyall Allen, jr.	1918 M	Pittsburgh, Pa.
Ostergren, Oscar Raynor	1919 C	Brooklyn
Oswald, Charles Louis	1916 Ag	Keuka Park
Othus, James Carey	1917 M	Portland, Ore.
Otis, Willard Benjamin	1919 Ag	Venice Centre
Outtersen, Bettine Kathryn	1917 A	East Stroudsburg, Pa.
Ovalle, Juan	1916 A	Ocaña, Columbia, S. A.
Ovenden, Philip Avery	1919 C	Dryden
Overholser, Earle Long, B.S., M.A.	Grad	Harrisonville, Mo.
Overly, William Russell	1919 A	Greensburg, Pa.
Overton, Francis Clymer, jr.	1919 A	Towanda, Pa.
Owen, Carroll Hepburn	1918 A	Millville, N. J.

Owen, Harold Ray	1918 A	Gilroy, Cal.
Owens, James Thomas	1917 Ag	Willsboro
Owens, Mark	1918 Ag	Morristown, N. J.
Owsley, John Guy, jr.	1919 M	Skaneateles
Oxholm, Gustav Kelilam, B.A.	1919 M.D. (N.Y.C.)	New York City
Paar, Ferdinand	1919 M	Canton, O.
Pacello, Vincent Joseph	1917 C	Port Chester
Packard, Sidney Alton	1919 C	Oklahoma City, Okla.
Packer, Abraham	1918 V	Brooklyn
Page, Clarence Harold	1916 A	Westfield
Paine, Alfred Joseph	1919 Ag	Ithaca
Palacio Sola, Angel	1919 M	Habana, Cuba
Palas, Almer William	1917 Ag	Fannystelle, Manitoba
Palen, Frederick Gilbert	1917 M	New Rochelle
Palmer, Archie MacInnes	1918 A	Hoboken, N. J.
Palmer, Margaret Helen	1919 Ar	Detroit, Mich.
Palmer, Maud Alice	1917 A	Ithaca
Palmer, Ralph Gorman	1918 Ag	Oil City, Pa.
Palmer, Robert Sherman	1919 Ag	Mansfield, O.
Palmer, Sidney Harvey	1917 Ag	Brooklyn
Palmer, Walter	1918 Ag	Brooklyn
Panoff, Emanuel	1916 Ag	Brooklyn
Papke, William August	1919 A (Chem)	New York City
Paris, Anthony Charles	1919 A	Buffalo
Parish, Wesley Graham	1919 Ag	Lake Katrine
Park, Charles Rudisel	1916 A	Tiffin, O.
Parke, Richard Averill	1917 M	Minneapolis, Minn.
Parke, Torsten Herbert	1919 M	Chicago, Ill.
Parker, John Huntington, B.S.	Grad	St. Paul, Minn.
Parker, MacRea, M.E.	Grad	Washington, D. C.
Parker, Ralph Coy	Spec Ag	Spencerport
Parkes, John	1919 Ag	Kenmore
Parkhill, Mortimer Smith	1917 M	Poughkeepsie
Parmenter, Richard	1917 C	Geneva
Parsell, Charles Victor, jr.	1917 A	Ithaca
Parsons, Guy Carrington	1919 M	Greenwich, Conn.
Parsons, Harriot Anne	1919 Ag	Buffalo
Parsons, Julius Edward	1919 Ag	Sharon Springs
Parsons, Priscilla Bartlett	1918 A	Washington, D. C.
Parsons, Seth Gordon	1917 Ag	Sharon Springs
Partridge, Edith Geneva	Spec Ag	Ithaca
Pashkoski, Walter Alexander, B.S.	1916 A	Scranton, Pa.
Pashkow, Morris Herman	1917 A (Chem)	Newark, N. J.
Pashley, Mable Rae	1918 Ag	Ovid
Patch, Robert Buckingham	1920 M	Berkshire
Patterson, Alfred Bryan, jr.	1918 A	Wilkesburg, Pa.
Patterson, William Kenneth	1919 M	Harrisburg, Pa.
Pattison, Edward Hargrave	1919 A	Troy
Pattison, Jean Harwood, A.B.	1918 M.D. (N.Y.C.)	New York City
Patton, Mabel Mary	1919 A	Gouverneur
Paulson, David Melvin	1917 Ag	Centerville, S. D.
Payne, Mosby Hale, B.A.	1917 M.D. (N.Y.C.)	Lynchburg, Va.
Peabody, Alexander Marshall	1918 Ag	Seattle, Wash.
Peabody, George Eric	1918 Ag	Wayland
Peacock, Walter Miller, B.S.	Grad	Bridgeton, N. J.
Pearce, Abram Scott	1919 Ag	Sparks, Md.
Pearce, Edwin Ross	1919 Ag	Monkton, Md.
Peare, Willard Chase	1919 M	Yonkers.
Pearsall, George Martin, M.E.	Grad	Brooklyn
Pearson, George von Bonnhorst	1919 M	Pittsburgh, Pa.
Peck, Gilbert Warren, B.S.	Grad	Ithaca
Peebles, Hubert Kenneth	1916 M	Oswego
Pefly, Harlen	1917 M	Boise, Idaho
Pekary, Charlotte Helen, A.B.	Grad	Brooklyn
Pelich, Joseph Roman	1916 Ar	Cleveland, O.
Pendleton, Claude M.	1918 C	Port Dickinson
Penfield, Marshal George	1919 A	Fulton
Penfield, Willis Edgar	1918 M	Fulton
Pennington, Victor Power, B.S.	1917 M	Millington, Md.
Penny, Howard Millington	1919 A	Syracuse
Pentland, Henry Bishop	1919 Ar	Cleveland, O.
Pepper, Benjamin	1918 A	New York City
Pepper, Louis, A.B.	Grad	Ithaca
Perce, Charles Clifford	1919 Ag	Clyde
Perkins, Charles Stuart	1918 A	Newark
Perkins, Ralph Fulford	1917 Ag	Selkirk
Perlman, David	1919 C	Washington, D. C.
Perlzweig, Jacob James	1918 Ag	New York City
Perry, Arthur Cecil Fox, C.E.	Grad	New Brighton
Perry, Arthur Franklin, jr.	1916 C	Jacksonville, Fla.

Perry, Frank Richmond	1916 Ag	Churchville
Perry, Henry Clinton Strawn	1918 A	Jacksonville, Fla.
Perry, Raymond Arnold	1918 Ag	Dundee
Perry, Robert Ernest, jr.	1918 Ag	Westfield, N. J.
Perry, (Mrs.) Ruth Amor	Spec Ag	Ithaca
Perry, William Henry, A.B., A.M., B.D.	Grad	Kings Ferry
Peters, (Mrs.) Jessie Louise King	1916 A	Appleton, Wis.
Peterson, Raymond Alfred	Spec Ag	Greenwich
Peterson, Verd, A.B.	Grad	Murfreesboro, Tenn.
Pettyjohn, Charles Raine	1918 M	Lynchburg, Va.
Pfeiffer, Charles Leonard	1918 A	Philadelphia, Pa.
Pfeiffer, Weyland	1916 A	Scarsdale
Pfohl, Cornell Nicholas, jr.	1916 Ag	Pittsburgh, Pa.
Pfohl, Roderich Dhu Porter	1919 A	Niagara Falls
Pfordte, Frederick Edgar	1919 Ag	Cairo
Pharo, Marian	1919 A	Philadelphia, Pa.
Phelan, Walter Francis	1917 A	Yonkers
Phelon, Thaddeus Westcott	1919 C	Brooklyn
Phelps, Alpheus Randolph	1918 L	Niagara Falls
Philips, Dixon Coale	1916 A (Chem)	Plainfield, N. J.
Philipson, Robert Arnson	1919 C	Ossining
Phillips, Charles Ainslie	1918 Ag	Ithaca
Phillips, Charles Moore, jr., B.Ed.	1918 Ag	Louisville
Phillips, Cushing	1917 C	Brooklyn
Phillips, Cyrus Grammer, B.Ed., A.B.	Grad	Ithaca
Phillips, Harold Deane, A.B., B.S. in Agr.	Grad	Brooklyn
Phillips, Juda Anna	1918 Ag	Crown Point
Phillips, Laverne Samuel	Grad	Mayville
Phillips, Leroy McQueen	1918 M	St. Louis, Mo.
Phillips, Robert Fletcher	1918 A	La Junta, Col.
Phillips, Russell McKean	1916 Ag	Ithaca
Phipps, Emma Virginia	1919 Ag	Buffalo
Phipps, George Robinson, B.S.	Grad	Buffalo
Pickerill, Horace Mann, B.S.A.	Grad	Ripley, O.
Pickett, Walter Herdman	1917 L	Brooklyn
Pidgeon, Howard A., B.Sc., M.Sc.	Grad	Pennsville, O.
Pidgeon, James	1919 A	Memphis, Tenn.
Pierce, Claire Edith	1919 A	Limerick
Pierce, Frank Willis	1916 M	Dunkirk
Pierce, Leslie Edward	1916 C	Stamford, Conn.
Pierce, Paul Perry	1919 Ag	Machias
Pierce, William Marion	1918 A	Dunkirk
Pierce, Willis Franklin, jr.	1916 A	Seattle, Wash.
Piersol, John Allison	1917 C	Charleroi, Pa.
Pierson, Arthur	1918 A	Meriden, Conn.
Pierson, Elvin Lyle	1917 M	Trumansburg
Pierson, Rollin Francis	Spec Ar	Pasadena, Cal.
Pigman, Augustus Penn	1919 M	Savannah, Ga.
Pike, Mary Elizabeth	1917 A	Beloit, Wis.
Pilgard, John Peter	1919 Ag	Hartford, Conn.
Pincoffs, Fernand Henry	1919 A	Chicago, Ill.
Pincus, Barrett, B.S.	1919 M.D. (N.Y.C.)	New York City
Ping, Chih, B.S.A.	Grad	Kai Teng, China
Pitts, James Townsend, B.S.	1917 Ag	Nunda
Place, Hermann Gauntlett	1917 A	New York City
Place, Willard Fiske	1919 A	New York City
Plehn, George Joseph	1916 A 1919 M.D. (N.Y.C.)	New York City
Ploss, Marian, B.S.	Grad	Hunter
Plough, Arthur Westyn	1917 Ag	Vestal
Plumb, Leon Alton, A.B.	1916 L	Macedon
Plumb, Norman Hale	1918 A	Bayonne, N. J.
Plunkett, Clarence Edward	1916 M	Rome
Podrog, Israel	1919 A (Chem)	St. Petersburg, Russia
Poehlman, James Elmer	1918 M	Baltimore, Md.
Pohl, Ronald	1916 Ag	Brooklyn
Pollard, Ray Ford, B.S.	Grad	Whitney Point
Pollock, Curtis Halsted, A.B., B.S. in Agr.	Grad	Fargo, N. D.
Pollock, Eliza Smiley	1919 A	Alliance, O.
Polson, Alexander Vivian, B.A.	1917 M	Winnipeg, Can.
Pomeranz, Solomon	1918 Ag	New York City
Pomeroy, Ashley Richards	1919 A	Greenwich, Conn.
Pond, Dorothy	1918 A	Crown Point
Poole, Gladys Eleanor	1917 Ag	New Rochelle
Poole, (Mrs.) Ragnhild Christine Ramstad	1919 Ag	Ithaca
Poore, Leonard Lee	1919 Ag	Concord Depot, Va.
Poritsky, Abraham	1919 Ag	New York City
Porter, Albert Augustus	1919 A	Niagara Falls
Porter, Catharine Lucy	1919 A	Patterson
Porter, Charles Clifford, jr.	1919 Ar	Greensburg, Pa.
Porter, George Curtis	1917 Ag	Upper Lisle

Porter, Harry Wray	1919 Ag	Oakland, Md.
Porter, Henry Whittier	1917 M	Brookline, Mass.
Porter, Joseph Pullman	1918 Ag	New Rochelle
Porter, Lucy Du Bois	1919 M.D.	New York City
Porter, Milton Brown	1916 Ag	Buffalo
Porter, William Herman	1919 Ag	Lockwood
Post, E. Sherwood	1917 A	Catskill
Post, George Birkbeck	1918 M	New York City
Postman, Mark William	1919 Ag	New York City
Potar, Benjamin	1917 Ag	New York City
Potter, Alfred Latimer, A.B.	1918 M.D. (N.Y.C.)	Hampton, Conn.
Potter, Daniel Frederic, jr.	1916 M	Buffalo
Potter, Mary Isabelle	Spec Ag	Ithaca
Potter, Mildred	1918 A	Ithaca
Potter, Wilburn Herrick	1918 V	Varna
Pouch, Harold Rainsford	1916 L	New Brighton
Powell, Glenn John	1917 V	Avon
Powell, Henry Raymond	1916 Ag	Hempstead
Powers, Patrick Francis	1918 Ag	Cohoes
Pratt, Everett Norton	1919 A	Perth Amboy, N. J.
Pratt, James Martin	1916 Ag	New York City
Prendergast, James Harold	1919 A	Marion, O.
Prentice, Thomas Harold	1917 C	Bridgeport, Conn.
Prescott, William Albert	1916 A	Lacona
Preston, Frances	1919 Ag	Canton, Pa.
Preston, John Owings	1917 C	Baltimore, Md.
Preston, Ross McKean	1919 Ag	Ithaca
Prettyman, Jacob Edward	1916 C	Seaford, Del.
Price, Albert Eugene	1916 Ar	Port Arthur, Tex.
Price, David Garrison	1919 M	Johnstown, Pa.
Price, James David	1916 C	Edwardsville, Pa.
Price, Walter Van	1918 Ag	Syracuse
Prickett, Thomas Baldwin	1916 A (Chem)	West Chester, Pa.
Priess, Elon Henry, B.S.	Grad	Eden
Priester, Oscar Frederick	1917 C	Davenport, Ia.
Priestly, Marian Randolph	1919 Ag	Olean
Prince, Eliza Vanderveer, A.B.	1919 M.D.	Brooklyn
Prince, Philip St. George	1918 M	Kosmosdale, Ky.
Pringle, Henry Fowler	1919 A	New York City
Pringle, James Maxwell	1917 A	New York City
Pritchard, James George	1919 Ag	Ithaca
Probes, Charles Frederick	1917 A	Elmira
Proctor, Jules Gabriel, A.B.	Grad	Brooklyn
Prugh, Edwin Neven, jr.	1919 M	Bellevue, Pa.
Pughe, Arthur Rees	1918 Ag	Utica
Pugsley, Earl D.	1916 A	Salt Lake City, U.
Purdy, Charles Wesley	1918 Ag	Cambridge, Mass.
Purdy, Dorman Steele	1917 Ag	Ithaca
Purdy, Dorothy Winifred	1918 Ag	Ithaca
Purdy, George LeRoy	1916 C	Stamford, Conn.
Purple, Carl Edward	1919 A	Newark Valley
Purpura, Ida Frances	1918 A	Herkimer
Putnam, Arthur James, A.B.	1916 A, Grad	Deposit
Putney, Charles Milton	1917 Ag	Ithaca
Puttick, Gail Ferguson	1918 Ag	Wellington, S. Africa
Quackenbush, De Milt Aird	Spec Ag	Fort Hunter
Quail, Frank Wesley	1917 Ag	Brooklyn
Quail, Wallace Blanck	1919 M	Brooklyn
Quaintance, Richard Edgecombe	1919 M	New York City
Queeny, Edgar Monsanto	1919 A (Chem)	St. Louis, Mo.
Quick, Clifford Daniel	1918 Ar	Ithaca
Quick, Francis Eugene	1919 Ag	Newton Centre, Mass.
Quimby, Mary Agnes, A.B.	Grad	Berwyn, Pa.
Quinby, Millicent Harriet	1919 A	Chappaqua
Quinlan, Alice Marie	1918 A	Port Richmond
Quinlan, Walter Leahy	1918 A	Dalton, Mass.
Quinn, John Joseph, jr.	1917 C	Brooklyn
Quinn, Maurice Arthur	1916 V	Norwich
Raffloer, Ida	1919 A	New York City
Rahe, (Mrs.) Jessie Moore, B.A., M.A.	Grad (N.Y.C.)	Hempstead
Ralph, Georgia Gertrude, B.A.	Grad	Pittsburgh, Pa.
Ralph, Jean Elizabeth	1919 Ag	Buffalo
Ralston, Robert Wilbur, jr.	1919 M	Dallas, Tex.
Ramage, Raymond William	1917 M	Auburn
Ramirez, Reinaldo	1916 C	Cabo Rojo, P. R.
Ramsay, Thomas Moore	1919 C	Perth Amboy, N. J.
Ramsey, Charles Henry	1917 M	Albany
Rand, Leighton Payson	1916 A	Brooklyn
Randall, Ethan James, B.S., Pd.B.	Grad	Oswego

Randall, Leslie Van	1919 C	Freeport
Randolph, George Fitz	1918 M	Atlantic City, N. J.
Rankins, Walter Henry	1919 Ag	Schenectady
Ransley, George Hathaway	1916 V	Troy
Rapp, George Washington, jr.	1916 C	Cincinnati, O.
Rapp, Theodore George	1919 M	Delanco, N. J.
Rapp, William Jourdan	1917 Ag	Brooklyn
Rappleye, George Arthur	1919 A	Interlaken
Rappleye, Snyder Charles	1919 Ag	Ithaca
Raseman, Richard Perrien	1918 Ar	Detroit, Mich.
Rasmussen, Andrew Theodore, A.B.	Grad	Provo, Utah
Rasmussen, Myers Peter	1919 Ag	Melrose
Ravenel, William deChastignier, jr.	1918 M	Washington, D. C.
Ray, Arthur Benning, B.A., M.A.	Grad	Leaksville, N. C.
Rayford, Percy J., A.B.	1916 Ag	Augusta, Ga.
Raymond, Lucia Bostwick	1919 A	Franklin
Raymore, Henry Bond	1916 Ag	Freeport
Raynarts, Sidney	1918 Ag	Rochester
Raynolds, Harold	1918 M	New York City
Read, Barclay Kerr	1919 A (Chem)	Philadelphia, Pa.
Read, Everett Charles	1917 M	North Milwaukee, Wis.
Read, Stuart Arthur	1918 M	North Milwaukee, Wis.
Reagan, William J., A.B.	Grad	Poplar Ridge
Reavis, Frank Charles, jr.	1918 L	Falls City, Neb.
Rebmann, Godfrey Ruthland, jr.	1919 M	Philadelphia, Pa.
Rebmann, Paul Cooper	1918 M	Philadelphia, Pa.
Reck, Louis, jr.	1919 L	Brooklyn
Rector, Charles Harmon	1917 Ag	Binghamton
Redman, William Wason, B.S.	Grad	Dedham, Mass.
Redwood, John Percy	1917 C	Bay Pond
Reed, Alfred, jr.	1917 Ag	Pittsburgh, Pa.
Reed, Bertha Mae	1918 Ag	Cortland
Reed, Cecil William	1919 Ag	Baldwinsville
Reed, Emily Sweetland	1918 Ag	Canandaigua
Reed, Eugene Barrett	1917 L	Springfield, Mass.
Reed, Harold Clifton	1917 A	Beacon
Reed, Lawrence Andrew	1920 M	Springfield, Mo.
Reed, Linn Van der Hyden, A.B.	1917 M.D. (N.Y.C.)	New York City
Reed, Theodore Byington, Ph.B.	1916 M.D. (N.Y.C.)	Montclair, N. J.
Rees, George	1920 M	Clayton
Reese, Fred Schuyler, jr.	1918 L	Ilion
Reese, Weston Roger	1919 M	Scranton, Pa.
Reesor, Mary, B.S., A.M.	Spec M.D. (N.Y.C.)	New York City
Reeve, Elwood Seymour	1918 M	Mattituck
Reeve, Francis Wells	1917 Ag	Riverhead
Reeve, Irma Elizabeth	1916 A	Mattituck
Regenstreich, Theodore	1919 C	New York City
Regnault, Harold	1917 H	New York City
Rego, Guy Pollard, A.B.	Grad	Van Etten
Reichert, Charles Joseph	1917 Ag	New York City
Reichle, Richard Carl Adolph	1917 Ag	S. Orange, N. J.
Reid, Charles Roy, B.S., E.E.	Grad	Eugene, Ore.
Reid, Herbert Wesley	1919 A	Brooklyn
Reid, Kirk Mendenhall	1919 M	Warren, O.
Reid, Ralph David, A.B.	1917 M.D. (N.Y.C.)	Schenectady
Reid, William Taylor	1918 C	New York City
Reider, Joseph Raycroft	1920 M	Cortland
Reidy, Margaret Mary, A.B.	Grad	Ithaca
Reifsnyder, Henry Gillam	1919 A	Langhorne, Pa.
Reigart, Elizabeth Hodgson	1919 A	Yonkers
Reiley, James McKendree, jr.	1918 M	Buffalo
Reilly, Edward Jerome	Spec A	Ithaca
Reimer, Franz Henry	1918 M	Chicago, Ill.
Reinicker, Lawrence Tischmyer	1916 C	Baltimore, Md.
Reisler, Paul Roebeling	1917 Ag	Auburn
Reitzes, Morris Lewis	1919 Ag	Gloversville
Relihan, Walter Joseph	1919 Ag	Owego
Renfrew, Franklin Ward, B.S.	1919 M.D. (N.Y.C.)	Brooklyn
Repp, Roscoe Conklin	1916 L	Bolivar
Rettig, Hugo Valentine	1917 A	Buffalo
Rex, Walter Edwin, jr.	1919 Ag	Philadelphia, Pa.
Reyes, Francisco Antonio, jr., B.Sc.	1917 C	Santa Ana, Central America
Reyes, Hermenegildo Balbino, B.A.	1918 M	Bulacan, P. I.
Reymond, Paul LeGrand	1917 M	Saugatuck, Mich.
Reyna, Ysidro, M.E.	Grad	Ithaca
Reynolds, Almon Wentworth	1920 M	Oriskany Falls
Reynolds, Andrew Jackson	1918 Ag	Trumansburg
Reynolds, Fred Arthur	1917 Ag	Ithaca
Reynolds, Gerald Frederick	1920 C	South Otselic
Reynolds, John Alva	1918 Ag	Rochester
Reynolds, Lewis Minter	1920 M	Liberty
Reynolds, Matie Elitia, A.B.	1918 Ag	Waterloo

Reynolds, Morris Walter	1919 Ag	Johnstown, Pa.
Reynolds, Ralph Keeler	1917 M	Danbury, Conn.
Reynolds, Robert Norton	1918 Ag	Springville
Rhea, William Allen, B.S. in Agr.	Grad	Peirce City, Mo.
Rhodes, Gilbert Saxton	1916 Ag	Ithaca
Ribble, Margaretha Antoinette, B.A.	1918 M.D. (N.Y.C.)	Mytheville, Va.
Ricciardi, Alfred	1916 A	New York City
Rice, Florence May	1916 Ag	Homer
Rice, Harry James, B.S.	1917 M	Morristown, Tenn.
Rice, Thomas Alexander	1916 M	Quebec, Canada
Rice, Waldo Huntting	1916 M	Lee, Mass.
Rich, Francis Hamilton	1918 Ar	Springfield Gardens
Rich, Gilbert Joseph, A.B., A.M.	Grad	New York City
Richards, Alma Wilford	Spec Ag	Parowan, Utah
Richardson, Abraham Nathaniel	1919 A	Rochester
Richardson, Luther Locke	1917 M	Rutherford, N. J.
Richardson, Solon Albert	1918 V	Franconia, N. H.
Richmond, Edward Avery, B.S.	Grad	Brockton, Mass.
Rickard, Grover Edgar, A.B.	1916 C	Worcester
Rickard, Guy	1918 Ag	Schoharie
Ridall, Edmund Wainwright	1919 M	Pittsburgh, Pa.
Rider, Arthur John, B.S., M.S.	Grad	Ithaca
Rider, Ruth Amy	1917 A	Forestville
Ridgway, Andress Stanley	1916 M	Delanco, N. J.
Ries, Victor Heinrich, B.S.	Grad	Ithaca
Rigdon, Henry	1917 M	Sharon, Md.
Rightmire, Delia Althea	1918 Ag	Trumansburg
Riley, Cathryn Vedralia, B.A.	1916 Ag	Washington, D. C.
Riley, Edgar Heisler, A.B.	Grad	Wilmington, Del.
Riley, Effey Lena	1918 Ag	Rochester
Riley, Frances Heisler	1919 Ag	Wilmington, Del.
Riley, Lowell Hobart	1919 A	Orange, N. J.
Riley, Mark Raymond	1916 A	Orange, N. J.
Rimer, Paul Eugene	1918 A	Harrisburg, Pa.
Rimoldi, Frank Julius	1917 Ag	W. New Brighton
Ringe, John Henry, III	1919 L	Three Tuns, Pa.
Ringe, Lester Charles	1919 L	New York City
Ringer, Michael, B.S.	1919 M.D. (N.Y.C.)	New York City
Ripley, Edward Warren, B.S.	1919 M.D. (N.Y.C.)	Brandon, Vt.
Ripley, Lynn Maxson	1918 Ag	Skaneateles
Roat, Robert Henry	1918 M	Paterson, N. J.
Robb, Charles Francis	Spec Ag	Webster
Robbins, Chester May	1918 L	West Harwich, Mass.
Robbins, George Bertram	1917 A	Brooklyn
Robbins, Helen Lorene	1917 A	Port Norris, N. J.
Robbins, Louis	1916 Ag	Brooklyn
Roberts, Francis Murray	1918 M	Watertown
Roberts, Hamilton Harvey	1919 M	South Poland, Me.
Roberts, Harvey Emmett	1919 M	East Orange, N. J.
Roberts, Theis	1919 Ag	New York City
Robertson, Archie Hunt	1918 Ag	Lounsberry
Robertson, George William MacDonald	1918 A	Brooklyn
Robertson, Lloyd Otis	1919 Ag	Churchville
Robertson, Robert Reynolds	1918 A	Mexico, Mo.
Robertson, Thomas Caffey	1919 M	Hernando, Miss.
Robertson, William Wallace, jr.	1917 M	N. Tonawanda
Robinson, David, 2d	1918 M	Sewickley, Pa.
Robinson, Donald Many	1919 C	Mt. Vernon
Robinson, Jesse Morse	1916 A	Washington, D. C.
Robinson, Loyd Watson	1919 Ag	Andover
Robinson, Marvin Bert	1918 Ag	Walton
Robinson, William Eber	1918 M	Akron, O.
Robinson, William Tobias	1918 M	Brooklyn
Robison, Ellis Howes	1918 Ag	Schenectady
Robison, George Merritt	1916 A	Cranberry Creek
Robson, Joseph William	Spec Ag	Hall
Roche, Clifton Ross	1918 M	Louisville, Ky.
Roche, Harry Edward	1918 A (Chem)	Ithaca
Rockmore, Alexander	1919 Ag	Rhinebeck
Roden, Henry Wisdom	1919 M	Dallas, Tex.
Rodger, John Aldrich	1918 A	New York City
Rodger, Katharine Marie	1917 Ag	Richmond Hill
Rodgers, Arthur Spencer	1919 Ag	Troy
Rodwell, Ward Arthur	1919 Ag	Albion
Roe, William Isaac	Spec Ag	Oxford Depot
Røhrs, Walter Edward	1918 Ag	Madison, N. J.
Røse, Charles Julius	1916 M	Buffalo
Rofe, Le Roy Edward	1918 Ag	Preble
Rogalsky, Fred August	1916 Ag	North Tonawanda
Rogers, Bertram James	1917 Ag	North Stockholm
Rogers, Clifford Herbert	1919 Ag	Thousand Island Park

Rogers, Donald Spencer	1917 Ag	Bivalve, N. J.
Rogers, Dudley Thayer, B.S.	1919 M.D. (N.Y.C.)	Dedham, Mass.
Rogers, Edgar Albion	1917 M	Tucson, Ariz.
Rogers, Edward Dana	1916 Ag	Brooklyn
Rogers, Fred Stillman, B.S., M.E.	Grad	Alfred
Rogers, Frederick Lansing	1916 A	Watertown
Rogers, Newton Chauncey	1916 Ag	Canandaigua
Rogers, Theodore Chittenden	1916 C	Binghamton
Rogers, William Alexander, Ph.B.	1919 M.D. (N.Y.C.)	Yonkers
Rohland, Louis Osmond	1916 Ar	Brooklyn
Romer, Winifred	1918 A	Ithaca
Rood, Harold Joseph	1917 Ag	Binghamton
Roof, Claude Webster	1917 M	Utica
Roos, Florence Tryon, A.B.	Grad	Chenango Forks
Root, Manly Bronson, A.B.	1918 Ag	Slaterville Springs
Root, Maurice Timothy, A.B.	1918 M.D. (N.Y.C.)	Farmington, Conn.
Roper, Frank Adams, B.S.	Grad	Owego
Ropes, John Marling	1917 M	Englewood Cliffs, N. J.
Roraback, Mildred Ruth	1919 A	Kinderhook
Rose, Bennett Eberhardt	1918 Ag	Saugerties
Rose, Frederick Preston	1918 Ag	Hot Springs, Ark.
Rose, Maxwell	1917 A	Franklin, Pa.
Rosen, George Julius	1917 Ag	Brooklyn
Rosenbaum, Benjamin	1917 A (Chem)	New Haven, Conn.
Rosenberg, Jacob	Grad	Brooklyn
Rosenberg, Josephine Mary Robertyna	1918 A	Binghamton
Rosenbloom, Lester Max	1918 L	Rochester
Rosenblum, Jerome	1919 A	Brooklyn
Rosenbluth, Mathilde	1919 Ag	New York City
Rosenbluth, Michael, M.D.	Spec M.D. (N.Y.C.)	New York City
Rosenfield, Mortimer Jerome	1919 L	Elmira
Rosenmeyer, Herbert	Spec Ag	New York City
Rosenstein, Morris	1919 Ag	New York City
Rosenthal, Frances Cleveland	1916 A	Brooklyn
Rosman, Joseph	1917 Ag	Garnerville
Ross, Alan	1918 L	Brooklyn
Ross, Albert Miller	1920 M	Ilion
Ross, Bertha Louise	1919 Ag	Brooklyn
Ross, Edwin Delespine	1917 Ag	Summit, N. J.
Ross, John William	1919 Ar	Chicago, Ill.
Ross, Mayer Phineas	1916 A	Brooklyn
Ross, Sidney Henry	1917 Ag	Brooklyn
Ross, Virginia Myrtle	1919 A	Brooklyn
Rossen, Joseph Jacob	1919 A (Chem)	St. Louis, Mo.
Roth, Paul Krusa	1916 L	Brooklyn
Roth, Walter Earle	1917 M	Buffalo
Rothwell, James Lee	1918 Ag	Elmira
Rotunda, Dominick Peter	1918 A	Dunkirk
Roush, William Luther	1919 M	Proctorville, Ohio
Routh, Joseph Phelan	1918 Ag	New York City
Row, Glen George	1916 Ag	Maple View
Rowland, Charles Joseph	1917 A	Olean
Rowland, John Burl	1918 M	Warrensburg, Mo.
Rowlee, Elizabeth	1917 A	Ithaca
Royce, Frank Gray	1919 L	Fulton
Royce, Knibloe Perry	1916 M	Fulton
de la Roza, Joaquin Julio	1916 M	New York City
Rubin, Henry	1918 A	Brooklyn
Ruckes, Herbert	1917 Ag	New York City
Rudd, Phyllis	1917 A	Blue Island, Ill.
Rudkin, Charles Nathan, B.S.	Grad	Middletown, Conn.
Rudolph, William Frederick	1919 A	Brooklyn
Ruehle, Godfrey Leonard Alvin, Ph.G., B.S., M.S.	Grad	Geneva
Ruhl, David Antes	1918 C	Des Moines, Ia.
Ruiz, Juan José	1917 M	Oriente, Cuba
Rulifson, Edith Myra	1918 Ag	Scottsville
Rummell, Leslie Jacob	1916 A	Newark, N. J.
Rundlett, Edwin Albert	1919 Ag	Tompkinsville
Ruoff, Frederic Lexington	1918 M	Binghamton
Ruprecht, Rudolf Wilhelm, B.Sc., M.Sc.	Grad	Brooklyn
Russel, William Muir	1917 A	Detroit, Mich.
Russell, Auleen Bernice	1918 Ag	Canastota
Russell, Clyde Albert	1916 A	Seward
Russell, Edwin Philip	1917 A	Crown Point
Russell, Fay Franklin, B.S., B.V.Sc.	1918 V	Jamestown
Russell, George Henry	1919 Ag	Winthrop
Russell, Howard Carlyle	1916 M	Glenbrook, Conn.
Russell, Maurice Spencer	1918 Ag	Carbondale, Pa.
Russell, Orrin Storey	1917 Ag	Warren, Pa.
Russell, Robert Camp	1917 C	St. Louis, Mo.
Rust, Wilbur Oscar	1919 C	Ithaca

Rutan, Everett John	1919 M	Brooklyn
Rutan, Russell Conklyn	1916 V	Goshen
Ruth, Leon George	1916 A	Clinton
Ruthrauff, John Rankin, jr.	1919 C	Chambersburg, Pa.
Ryan, Effie Dunn	1919 A	Ardmore, Pa.
Ryan, Emmett James, jr.	1918 Ag	Seneca Falls
Ryan, Phil	1920 M	Helena, Mont.
Ryan, Thomas James	1918 M	Chicago, Ill.
Ryder, Morton, A.B.	1918 M.D. (N.Y.C.)	Carmel
Ryerson, Robert Emmett	1918 M	Middletown
Rynalski, Henryk	1919 A (Chem)	Fredonia
Rynders, Victor Albert	Spec Ag	Cohocton
Saavedra, Cesar Alejandro	1918 Ag	Pacasmayo, Peru
Sabin, Grace Marguerite	1917 Ag	Spencer
Saddler, Frank, jr.	1917 Ag	Ithaca
Safir, Israel	1919 A	Brooklyn
Sager, Floyd Chauncey	1917 V	Waverly
St. John, Emma Mildred	1919 Ag	Trumansburg
St. John, Frank Lamar, jr.	1916 A (Chem)	Brooklyn
Salinger, Arthur, jr.	1917 M	New York City
Salmow, Daniel	1918 M	Queens
Salsbury, Howard Eugene	1919 M	Cazenovia
Saltzman, Samuel Leon	1919 A	Brooklyn
Salzman, Harry Abraham	1916 L	Newark, N. J.
Samans, Marta	1918 A	Philadelphia, Pa.
Sammet, Joel Elwin	1917 A	Brooklyn
Sampson, Archer Maddy	1919 M	Muncie, Ind.
Sampson, Gertrude Sargent	1919 Ag	Mt. Vernon
Samuels, Louis David	1918 Ag	Mt. Vernon
Samuelson, Herman Jerome	1916 Ag	Pearl River
Sanborne, Paul Fitch	1916 Ag	Elmira
Sand, Austin Wertman William	1918 Ag	Lockport
Sandburg, Rudolph William	1917 A	Olean
Sanderson, Albert Bowman, jr.	1916 C	Springfield, Mass.
Sandford, Raymond Halsey	1916 A (Chem)	Bridgehampton
Sandford, Vernon Gulick	1919 Ag	Angola
Sando, Francis Blair	1918 M	Scranton, Pa.
Sands, Beatrice	1919 A	Kennedy
Sands, Walter Stanley	1919 M	Melrose, Mass.
Sanford, Ezra Burt, A.B.	1916 M.D. (N.Y.C.)	Rutherford, N. J.
Sanford, John Alden	1916 M	Warwick
Sanford, Miles Blinn	1917 A	La Grange, Ill.
Sanford, Raymond Prior	1916 Ag	Ithaca
Sanford, Roger Allen	1916 Ag	Eagle Pass, Tex.
Sanford, Trent Ellwood	1919 Ar	LaGrange, Ill.
Sanford, Winthrop	1919 L	Warwick
Santee, Clyde Bennett	1917 L	Middletown
Santorelli, Katherine Alice	Spec Ag	Ithaca
Saperston, Alfred Morton	1919 L	Buffalo
Saphir, Herbert	1919 A (Chem)	Brooklyn
Sargent, Anna May	1916 Ag	Boonville
Sarle, Charles Faye	1916 Ag	New Berlin
Saulnier, Theophile	1916 M	Media, Pa.
Saunders, Helen Elizabeth	1916 Ag	Brooklyn
Saunders, Walter LeRoy	1917 C	Washington, D. C.
Sauters, John Davis, jr.	1918 A	Martins Ferry, O.
Savage, Clifford Boynton, B.S. in Agr.	Grad	Frankfort, Mich.
Sawyer, William Hayes, jr., A.B.	Grad	Cornish, Me.
Sayles, Karl Miller	1917 Ag	Malone
Sayles, Sheldon Rich	1920 M	Indianapolis, Ind.
Scales, Herbert LeRoy, jr.	1919 A	Houston, Tex.
Schaaf, James Edward	1919 Ag	Nutley, N. J.
Schaaf, Rudolph George, jr.	1918 M	Nutley, N. J.
Schabana, Marion	1916 Ag	New York City
Schack, William	1919 A (Chem)	Brooklyn
Schaefer, Carl	1919 Ag	Tompkinsville
Schaefer, Frederick LeRoy	1918 M	Cincinnati, O.
Schaefer, George Leonard, D.V.M.	1916 V	Tekamah, Neb.
Schaefer, John Joseph	1917 V	Ithaca
Schaezel, Julius	1918 M	Ithaca
Schaffer, Isidor Moses	1919 A	Mt. Vernon
Schaffle, Albert, B.S. in Agr.	1916 Ag	Philadelphia, Pa.
Schantz, Philips Traver	1918 Ag	Highland
Schartel, Lyle Thomas	1917 M	Reading, Pa.
Schauf, Willis Adam	1916 L	Brooklyn
Schauffler, Leslie Reynolds	1920 C	Highland Park, Ill.
Scheckel, William Boulton	1917 C	Brooklyn
Scheer, Archie Donald	1917 A	Newark
Scheer, Henry Isaac, B.S.	1919 M.D. (N.Y.C.)	New York City
Scheetz, Francis Harley, A.B.	1916 A (Chem)	Norristown, Pa.

Schelder, Bernardine Veronica	1918 A	Mansfield, O.
Schell, Howard De Graff	1919 Ag	Brooklyn
Schelleng, John Christopher, A.B.	Grad	Holyoke, Mass.
Schenck, Irving Priestley	1919 M	Flemington, N. J.
Schenk, Kurt von, A.B.	Grad	Ithaca
Scherago, Morris	1917 Ag	Brooklyn
Schereshevsky, Pincus	1917 Ag	Ithaca
Schermerhorn, Mildred	1918 A	S. Glens Falls
Schimpff, Charles Henry	1919 M	Peoria, Ill.
Schindler, Elsie Jane	Spec A	Ithaca
Schively, Yale Roots	1918 M	Ithaca
Schlecht, Martin Frederick	1917 A	Syracuse
Schleicher, Francis Grant vom Maguis	1916 Ag	Long Island City
Schlein, Paul	1919 Ag	Brooklyn
Schlesinger, Charles Jackson	1919 Ag	Ithaca
Schlichter, Fred Paul	1916 Ag	Yonkers
Schlitz, Karl Washington	1918 A (Chem)	Brooklyn
Schmeck, Harold Marshall	1918 Ag	LaSalle
Schmid, Carl Julius	1919 Ag	Montgomery
Schmid, Hermann	1917 C	Stuttgart, Germany
Schmid, John Haviland	1918 A	Brooklyn
Schmid, Walter	1918 M	Kingston
Schmidt, August, jr.	1919 M	Ithaca
Schmidt, Clarence Woodbridge	1918 M	Des Moines, Ia.
Schmidt, Dagmar Alfvén	1918 A	Ithaca
Schmidt, Henry George	1919 Ag	Richmond Hill
Schmidt, Karl Patterson	1917 A	Stanley, Wis.
Schmidt, Olive Josephine	1918 L	Spring Valley
Schmitt, Daniel Witmer	Spec Ag	Niagara Falls
Schmutz, Frederick Charles	1919 A (Chem)	West Hoboken, N. J.
Schnackenberg, George Hermann	1916 L	Cornwall
Schnee, Vernon Higgs	1919 A	Cleveland, O.
Schneider, Frank Edwin	1919 Ag	Glens Falls
Schneider, Herbert Collins	1917 M	Washington, D. C.
Schnirel, Anna Elizabeth	1918 A	Geneva
Schock, Arthur Patterson	1916 A	Mt. Joy, Pa.
Schoeffler, Freida Helena	1918 A	Schenectady
Schoellkopf, William Græbe	1919 A	Buffalo
Schooley, Robert Wesley	1919 L	Emmetsburg, Ia.
Schrader, Helen Margaret	1919 A	Plattsburg
Schradieck, Henry Edward	1916 Ag	Ithaca
Schroeder, Henry Joseph, jr.	1919 Ag	Brooklyn
Schroeter, Robert Huber	1919 M	Marion, O.
Schuler, Harold Arnold	1916 Ag	Mt. Vernon
Schulte, Carl Edwin	1919 M	Ridgewood, N. J.
Schultheis, Daniel, A.B.	1917 M.D. (N.Y.C.)	College Point
Schultz, David	1918 A (Chem)	New York City
Schultz, Peter Alphons	1919 A	Buffalo
Schultze, Emily Christine	1917 L	Brooklyn
Schultze, Louis Charles	1916 C	Brooklyn
Schumm, Paul Berwig, B.S.	Grad	New York City
Schurman, Jacob Gould, jr.	1917 A	Ithaca
Schutt, Mildred Florence	Spec Ag	Ithaca
Schutte, Henry Clarence	1919 A (Chem)	New York City
Schwadron, Samuel, B.A.	1918 M.D. (N.Y.C.)	New York City
Schwarte, Louis Harold	1918 Ag	Saratoga Springs
Schwartz, Benjamin	1918 L	Brooklyn
Schwartz, Edgar Louis	1917 Ag	West New Brighton
Schwartz, John Rupley	1918 L	Poughkeepsie
Schwartz, Leslie Charles	1918 A	New York City
Schwartz, Robert	1919 C	New York City
Schwartz, Samuel	1919 Ag	Brooklyn
Schweinler, Carl Lewis	1917 Ag	West Orange, N. J.
Schweitzer, Thomas Robert	1919 Ag	Brooklyn
Schwerha, Methodius Clayton	1919 M	Glassport, Pa.
Scileppi, Francis Paul	1917 C	Elmhurst
Scofield, Hazel Belle	1919 Ag	Candor
Scott, Benson Glenwood	1919 A	Pocatello, Idaho
Scott, Frederick Bartlett, jr.	1918 M	Syracuse
Scott, Joseph Prestwich, D.V.M.	Grad	Manchester, England
Scott, Mark Emmett, M.D.	Spec M.D. (N.Y.C.)	Newark, N. J.
Scott, Walter Lee	1919 Ag	Franklin, Pa.
Scoville, Ralph Irving, B.S.	Grad	Plainville, Conn.
Scudder, Galen Fisher, A.B.	1917 M.D. (N.Y.C.)	Glastonbury, Conn.
Scutt, Dana Rolland	1917 V	Olean
Scutt, Harold Higbie	1918 M	Penfield
Seabrook, William Henry	1918 V	Brooklyn
Seager, Lydia Amanda	1919 A	South Orange, N. J.
Seager, Paul Sylvester	1919 A	South Orange, N. J.
Seaman, Van Brunt	1918 C	Brooklyn
Searles, Frances Elizabeth Willard	1918 Ag	Elmira
Searles, Harold Napton	1917 M	East Orange, N. J.

Sears, Charles Henry	1918 A (Chem)	Holyoke, Mass.
Seaver, Lloyd Badger	1917 Ag	Brooklyn
Seeger, Eva May	1918 A	Chatham
Seelbach, Charles George	1919 Ag	Buffalo
Seeley, Erle Tull	1919 Ar	Spokane, Wash.
Seely, Homer Russell	1919 C	Springfield, Mass.
Seely, William Elmer	1917 A	Poughkeepsie
Seelye, Betty Eggleston	1916 A	Lake George
Seelye, Paul Witherell	1916 A	New Britain, Conn.
Segnitz, Paul Herman	1917 A (Chem)	Milwaukee, Wis.
Seibert, Edwin William	1917 M	Buffalo
Seibold, Carl Stephen	1919 M	Rochester
Seidman, Solomon	1919 M	New York City
Seiler, Lloyd Russell	1919 M	Shamokin, Pa.
Sein-Francisco, Abollere	1919 A	Lares, P. R.
Selby, Wayne Colfax	1918 L	Omaha, Neb.
Selden, Eva	1919 Ag	Plainfield, N. J.
Selden, Marian Minerva	1919 Ag	Rome
Seley, Samson Abraham	1918 A	New York City
Seligman, Anne May	1917 A	Keyport, N. J.
Seligmann, William John	1917 A	Buffalo
Selkirk, Anna Regina	1918 Ag	Brooklyn
Senecal, Henry Jess	1919 C	Watertown
Sengstacken, Royal Francis, A.B.	1916 M.D. (N.Y.C.)	Stony Point
Senn, Isabel Ruth	1918 A	Batavia
Serrano, Luis	1919 Ag	Quito, South America
Settle, Charles Jay, jr.	1919 Ag	Cobleskill
Seulke, Karl John, B.S.A., M.S.	Grad	Ithaca
Severance, Mildred, A.B.	Grad	Buffalo
Severy, Harold Allen, A.B., A.M.	Grad	Brandon, Vt.
Seward, Frederick Dwight	1917 Ag	Binghamton
Seward, Gertrude North	1919 Ag	Binghamton
Sewell, Marjorie Louisa	1917 Ag	Walton
Sewell, Oscar James	1919 C	Olive Hill, Ky.
Sexton, Marjorie Gertrude	1918 Ag	Easton, Pa.
Seymour, Alonzo Morton	1918 M	Peekskill
Seymour, Clinton Kirby	1916 L	Saginaw, Mich.
Shackelton, Horace Ellsworth	1919 A	Buffalo
Shadle, Albert Ray, B.A., M.A.	Grad	Ithaca
Shafer, Charles Augustus	1919 Ag	Tyrone
Shafer, Leland Twitchell	1919 A	Brockport
Shafter, Cora May	1917 A	Plymouth, Pa.
Shakespeare, Edward Oram	1916 Ar	Philadelphia, Pa.
Shallna, Anthony Oswald	1916 A	Scranton, Pa.
Shanks, William Grant	1919 Ag	New York City
Shanly, John Sexton	1918 Ag	Binghamton
Shannon, Adrian Foote	1918 Ag	New York City
Shaper, Bernard William, B.S.	Grad	Herkimer
Shapiro, Bernard Joseph	1919 A	Brooklyn
Sharlit, Herman, B.A., B.S.	1917 M.D. (N.Y.C.)	Brooklyn
Sharp, Eleanor	1919 A	Genoa
Shaw, Arnold Campbell	1918 Ag	Central Valley
Shaw, Dorothy Mary	1917 A	Lake George
Shaw, James Roger	1916 L	Rockland Lake
Shaw, Martin	1918 M	Rockland Lake
Shaw, Stanley Newman	1918 A	Denver, Colo.
Shea, Darrell Huggins	1919 C	Corning
Sheaffer, Joseph Guy	1916 M	Wayne, Pa.
Shearer, Lee Ceylon	1916 A	Ithaca
Sheffer, Jennie Cowles	1919 A	Mechanicville
Sheffey, Robert Alexander	1916 Ar	Lynchburg, Va.
Sheinhouse, Leon	1919 A	Pittsfield, Mass.
Sheley, Leander Ivon	1917 L	Middletown
Shelp, Edward Nelson	1917 Ag	Amsterdam
Shelton, Frederic William	1918 Ag	Omaha, Neb.
Shelton, Murray Norcross	1916 C	Dunkirk
Shelton, William Bristol	1918 M	Dunkirk
Shempp, William Howard	1917 Ag	Barnard
Shepard, Charles Dorman	1917 M	LeRoy
Shepard, John Berdan, B.S. in Agr.	1916 A Grad	Buffalo
Shepard, Wallace Edward, jr.	1920 C	Omaha, Neb.
Sherburne, Arthur John	1918 A (Chem)	Schenectady
Sheridan, John Edward	1919 L	Penn Yan
Sheridan, Joseph Talbot	1917 A	Richmond Hill
Sheridan, William Augustine	1917 Ag	Kings Park
Sherry, Alden Bradford	1916 A	Troy
Shershevsky, Arthur Louis	1917 L	Hartford, Conn.
Sherwood, Clinton Everett	1916 A	Bridgeport, Conn.
Sherwood, Fleming Bates, B.S., M.S.	Grad	Raleigh, N. C.
Sherwood, Florence Kathryn	1917 Ag	Freeville
Sherwood, Francis Webber, B.S., M.S.	Grad	Raleigh, N. C.

Sherwood, Harold Frederick	1916 Ag	Ithaca
Shigley, James Fremont, B.Pd., D.V.M.	Grad	Ithaca
Shill, Claude Edward	1918 Ag	Avoca
Shindelman, Samuel Harvey	1916 V	Brooklyn
Shing, Shao-Chang	1917 C	Chengtu, China
Shipman, Samuel Saul	1918 C	Brooklyn
Shiverick, Francis Tobey	1918 A	Chicago, Ill.
Shook, Louis Lathrop	1916 V	Red Hook
Shore, Frederick	1919 M	Waterbury, Conn.
Short, Harold Armstrong	1920 Ar	Baltimore, Md.
Short, Jeannette	1918 A	Penn Yan
Shoulkin, Simon	1918 Ag	Brooklyn
Shuler, Charles	1916 Ag	Davenport, Ia.
Shull, Clare Orris	1917 M	Baltimore, Md.
Shultz, Abraham	1917 Ag	Brooklyn
Shultz, George Lester	1917 L	Skaneateles
Shuman, William Darlington Mullin	1918 A	Pittsburgh, Pa.
Shwartz, Simon James, jr.	1919 Ag	New Orleans, La.
Siaca, Ramon E.	1916 L	Santurce, P. R.
Siebern, William Durrell	1917 A	Cincinnati, O.
Siegel, Lester Vogel	1916 A	Chicago, Ill.
Siegel, Maxwell Mordecai	1919 L	Elmira
Sigsby, Robert Ernest	1918 Ag	Saratoga Springs
Siler, Laurence Norman	1916 M	Buffalo
Silverberg, Samuel Joshua	1919 A	Hartford, Conn.
Silverstein, Louis Julian	1918 Ag	New York City
Simmons, Rosine Ruth	1919 L	Williamsport, Pa.
Simon, Abraham	1918 Ag	New York City
Simonds, Frank Gregory	1916 Ag	W. Dover, O.
Simonoff, William	1919 Ag	New York City
Simonson, Wilbur Herbert	1919 Ag	Lynbrook
Simpson, Arthur Fred	1919 Ag	Buffalo
Simpson, Elizabeth Thompson	1918 Ag	Huntsville, Ala.
Simpson, Harold Eugene	1919 A	New York Mills
Simpson, Ruth Virginia Jane	1917 A	Binghamton
Sinamark, Andrew, B.S.	1917 M.D. (N.Y.C.)	Fremont, Neb.
Sinclair, Frazer Vantin	1917 Ag	New York City
Singer, Leland William	1917 A	Genoa
Sirrime, Horace Stilwell	1918 A	Trumansburg
Sisson, Howard Spencer	1918 Ag	Sherburne
Sisson, Jack Pettigrew	Spec Ag	Youngstown, O.
Sisson, Stanley Howe	1917 Ag	Potsdam
Sivian, Leon John	1916 A	Brooklyn
Skelding, Paul	1919 A	Southbury, Conn.
Skinner, Louis Raymond	1917 Ag	Lakewood
Skinner, Robert Alexander	1918 C	New York City
Skinner, Robert Gates	1919 M	Lakewood
Skinner, Winifred	1918 A	Rochester
Slack, Clarence Merle	1916 Ag	Black River
Slimm, John Bernard	1917 A	Cleveland, O.
Slinkard, Edmund Tripp	1916 Ag	Brooklyn
Sly, John Lazear, A.B.	1917 M.D. (N.Y.C.)	Warwick
Small, Henry Spahr	1919 M	York, Pa.
Smalley, Ralph Jedson	1919 L	North Palinfeld, N. J.
Smiley, Dean Franklin	1916 A, 1919 M.D.	Ithaca
Smith, Ainsworth Lockhart	1919 A	Brooklyn
Smith, Alfred Georgia	Spec Ag	Treadwell
Smith, Alonzo Nelson	1919 A (Chem)	New York City
Smith, Alpheus Waldo	1919 A	Ithaca
Smith, Arlington Edward	1916 Ag	North Tonawanda
Smith, Benjamin Adams	1917 M	Lakewood, O.
Smith, Carl Dickey	1917 Ag	East Liverpool, O.
Smith, Charles Alexander, jr.	1917 A	Chester, W. Va.
Smith, Charles Orchar	1916 Ag	Wooster, O.
Smith, Chester Bangs	1919 A	Buffalo
Smith, Clifford Durand	1917 M	South Bend, Ind.
Smith, Edith Cora	1917 Ag	Ithaca
Smith, Edwin	1917 Ag	Brooklyn
Smith, Elmer Herbert	1918 Ag	Deerfield
Smith, Elwyn Lawrence	1917 M	Syracuse
Smith, E. Milton	1916 Ag	Brooklyn
Smith, Ernest Edward	1916 A	Skaneateles
Smith, Ernest Rice, A.B.	Grad	Ithaca
Smith, Fabian McKeon	1917 Ag	Spokane, Wash.
Smith, Fenner Carlton	1918 V	Ithaca
Smith, Frank Ward	1918 A	Fredericksburg, Va.
Smith, Frederick John	1916 M	Greenport
Smith, George Herbert	1918 Ar	Ithaca
Smith, Gerald Sturdevant	1919 M	Brooklyn
Smith, Gladys Elizabeth	1916 Ag	Ithaca
Smith, Harlond Leander	1916 Ag	Auburn

Smith, Harold Franklin	1916 Ag	Geneva
Smith, Harold Meade	Spec Ar	Cleveland, O.
Smith, Henry Clay	1919 Ag	Freeville
Smith, Herbert Hoffer	1916 M	Buffalo
Smith, Howard Cook	1917 M	Buffalo
Smith, James Wallace	1918 Ag	Lakewood, O.
Smith, Jonas Milton	1919 L	Sharon Springs
Smith, Julia Elizabeth	1916 A	Memphis, Tenn.
Smith, Laura Mae	1919 Ag	Palatine Bridge
Smith, Lawrence Victor	1918 A	Toledo, O.
Smith, Le Grande	1918 A	Elmira
Smith, Leonard Stevens, jr.	1919 M	Cincinnati, O.
Smith, Louis Edward	1919 Ag	Livingston Manor
Smith, Martha Evelyn	1916 Ag	Baltimore, Md.
Smith, Martha Towne	Spec A	Ithaca
Smith, Mary Elizabeth	1916 A	Mahonoy City, Tenn.
Smith, Mary Florence	1919 A	Verona, N. J.
Smith, Ralph Claude	1917 C	Rhinebeck
Smith, Robert	1920 M	Spencerport
Smith, Robert Alfred	1917 A	Buffalo
Smith, Roger Cletus, A.B., A.M.	Grad	Ithaca
Smith, Russell Lloyd	1918 C	Brooklyn
Smith, Ruth Howard	1916 Ag	Sheldrake Springs
Smith, Selby Gilbert	1916 L	Buffalo
Smith, Sidney William, jr.	1917 L	Ogdensburg
Smith, Stanley Edward	1916 A	Geneva
Smith, Theodore Levi	1916 C	Forty Fort, Pa.
Smith, Walter Fox	1918 A	Watertown
Smith, Walter Robert, A.B.	1916 M	Decatur, Tenn.
Smith, Willard Lapham	1918 Ag	Buffalo
Smith, William Dudley, A.B.	Grad	Schenectady
Smith, William Randolph	1916 A, 1919 M.D.	Brooklyn
Smokey, Alexander Robert	1918 Ag	Scranton, Pa.
Smokey, Eugene Ralph	1919 C	Scranton, Pa.
Smook, Joseph	1919 C	New York City
Snedeker, Marion Elizabeth	1916 A	Brooklyn
Snively, Hurbert Kling	1919 Ar	Chicago, Ill.
Snively, William John	1916 C	Chicago, Ill.
Snow, Frank	1917 Ag	Camden
Snow, Ralph	1918 V	Central Square
Snyder, Herbert	1916 A	Ithaca
Snyder, Norman	1919 M	Ithaca
Snyder, Robert Miffin, B.S.	Grad	East Lansing, Mich.
Snyder, Walter C.	1918 V	Ithaca
Sobel, Julius	1916 C	Brooklyn
Soderholm, Walter Harold	1918 Ag	Syracuse
Sohon, Julian Arell	1918 A (Chem)	New York City
Solfleisch, Florence Madeline	1918 L	Bogota, N. J.
Solovay, Benjamin	1919 A (Chem)	Brooklyn
Soman, Philip Ephraim	1917 C	New York City
Sosa, Horacio Dionisio	1919 Ag	Panama Rep., Panama
Soskin, William	1919 Ag	New York City
Souder, Clement Franklin, jr.	1916 M	Toledo, O.
Souders, Josephine Overton	1916 A	Phillipsburg, N. J.
Soule, Ardra, A.B.	Grad	Hingham, Mass.
Sovocool, Benjamin Franklin	1916 L	Ithaca
Sovocool, Stanley Morell	1919 A (Chem)	Addison
Spader, George Almond	1919 Ag	Watkins
Spæth, John Nelson	1919 Ag	Rochester
Spafford, Bessie Marguerite	1916 Ag	Moravia
Spafford, James Henderson	1918 C	Baltimore, Md.
Spalding, Helen	1916 Ag	Lowell, Mass.
Spamer, George Adam, B.S.	Grad	New York City
Sparks, Alan	1917 Ag	Baldwinsville
Spear, George Perkins	1916 C	Passaic, N. J.
Spear, Robert Duroy	1919 M	New York City
Speed, Christopher MacNair	1918 M	Baltimore, Md.
Speidel, William Henry	1916 Ag	Poughkeepsie
Spence, Thomas Reese, B.S.	1917 C	College Station, Tex.
Spencer, Charles Hart, jr.	1919 Ag	Pittsburgh, Pa.
Spencer, George D'Esterre	1919 Ag	Brooklyn
Spencer, Leland	1918 Ag	Elmira
Spencer, Vera Eugenia	1919 A	Sayre, Pa.
Speyer, Laura Evelyn	1916 Ag	Buffalo
Spiegelberg, Frederick, jr.	1916 Ag	New York City
Spiegelberg, George Alfred	1918 A	New York City
Spillman, Ramsay, A.B.	1917 M.D. (N.Y.C.)	Washington, D. C.
Spindler, Abraham Morris, B.A.	1918 M.D. (N.Y.C.)	New York City
Spindler, Mabel Clara	1918 Ag	Olean
Spivak, William	1920 C	Brooklyn
Sponable, Earl Iru	1916 A (Chem)	Burlington Flats

Sprague, Genevieve Mina	1919 A	Memphis, Tenn.
Sprague, Geraldine Esther	1919 A	Memphis, Tenn.
Sprague, John Lane	1918 M	Minneapolis, Minn.
Spratt, James Bishop	1919 C	Jacksonville, Fla.
Spreckels, Charles Herman, jr.	1917 M	Brooklyn
Spring, Mabel Madeline	1916 Ag	Port Henry
Sprong, Edward Albert, jr.	1917 M	New York City
Sprout, Lawrence Emerson, B.Sc.	1917 M.D. (N.Y.C.)	Picture Rock, Pa.
Stacy, Stanley Consider	1918 A	Buffalo
Stacy, Thomas Ford	1917 A	Springfield, Ill.
Stæbler, Karl Merner	1918 Ag	Brooklyn
Stafford, David Anderson	1917 A	Plattsburgh
Stafford, Ellis Carlton	1918 V	Cortland
Stahl, Charles	1918 A	Albany
Stahl, Gustave David	1917 M	Berlin, N. H.
Stainton, Walter Hutchinson	1919 A	Utica
Stalker, John Howard	1918 C	Montclair, N. J.
Stall, Ernest Beall, B.E.	1917 Ag	Oxford, Miss.
Stalter, Charles Cooper	1918 L	Paterson, N. J.
Stampfer, Joseph Frederick, jr.	1917 A	Dubuque, Iowa
Standish, Livingston Miner	1919 M	Springville
Standish, Gerald	1919 M	New York City
Standish, Robert Nevin	1919 A	Edgeworth, Pa.
Stanley, Carl	1917 M	Buffalo
Stanley, James Toros, A.B.	Grad	Elmira
Stansbury, Norman Price	1918 C	Baltimore, Md.
Stanton, Blake M.	1919 A (Chem)	Davenport, Iowa
Stanton, Casper	1919 Ag	Norwich
Stanton, Clifford Alfred	1919 A	Cortland
Stanton, George Harold	1919 Ag	Glen Ridge, N. J.
Stanton, Henry Francis	1916 Ar	Grosse Ile, Mich.
Stapleton, Felix	1919 M	Rockford, Ill.
Stapley, Edward Ray, C.E.	Grad	Geneseo
Starke, Ralph Gustave	1919 A	New York City
Starkweather, Dorothy Amie	1916 Ag	Nutley, N. J.
Starr, Frederic Hill	1916 A	Easton, Md.
Starr, Ruth	1917 Ag	Homer
Starrett, Clara Covert	1918 A	Interlaken
Statler, David Clark	1918 Ag	New York City
Stauffer, George Maurice	1919 Ag	Elizabeth, N. J.
Staunton, William Field, jr.	1917 Ar	Los Angeles, Cal.
Steadman, Richard Lynn	1919 A (Chem)	Newark, N. J.
Stearns, Ralph Omar	1916 Ag	Winthrop
Stedman, Edward Randolph	1919 M	Springville
Steel, Ernest William	1918 C	Philadelphia, Pa.
Steele, Mary S., A.B.	1916 A	Wagram, N. C.
Steele, Olive Thomas	1919 A	Millville, Del.
Steffens, Herbert George	1918 Ag	Brooklyn
Steinbrenner, Julius Frederick	1916 L	Niagara Falls
Steinrock, Franklin Kern	1918 M	Port Richmond
Stempfle, William Secord	1919 Ag	Elmira
Stenberg, Charles	1916 L	Union Hill, N. J.
Stenberg, Theodore Thorson, A.B., A.M., LL.B.	Grad	Ithaca
Stenbuck, Frederick Augustus	1917 Ag	Brooklyn
Stephenson, Guy Baker	1916 C	Ithaca
Stephenson, Lida Mosher	1916 Ag	Aurora
Stern, Arthur Leo	1917 A (Chem)	Paterson, N. J.
Stern, George	1919 A (Chem)	Forestville, Conn.
Stern, Howard Eugene	1917 Ag	Philadelphia, Pa.
Sternberger, Robert Oscar	1917 M	Bloomfield, N. J.
Stevens, Charles Leigh	1916 M	Muskegon, Mich.
Stevens, George May	1916 A	Rome
Stevens, Gurdon Bull	1918 Ag	Granville
Stevens, Lillian Avis	1918 Ag	Homer
Stevens, Mary Dye	1917 Ag	Owego
Stevens, Mildred Margaret	1919 Ag	Oswego
Stevens, Robert William	1920 Ar	Huntington, Ind.
Stevenson, Howard Arthur	1919 Ag	Interlaken
Stevenson, Lila Virginia	1916 A	Brooklyn
Stewart, Charles Rogers	1919 A (Chem)	Fort Plain
Stewart, Chauncey Judd	1919 Ag	Plainfield, N. J.
Stewart, Fred Waldorf	1916 A	Binghamton
Stewart, Leon Wendell	1918 A	Bainbridge
Stewart, Roger Eaton	1917 Ag	Plainfield, N. J.
Stibolt, Carl Beiderbecke	1919 M	Davenport, Ia.
Stickelmyer, Ellen May	1919 Ag	Troy
Stine, George Hæberle	1919 A	Niagara Falls
Stobbs, William Malcolm, A.B.	Grad	Ithaca
Stobo, Jeannette Russell, A.B.	1917 M.D. (N.Y.C.)	New York City
Stock, Leonard, jr.	1919 Ag	Brooklyn

Stockton, William Stone	1916 M	Bristol, Conn.
Stoddard, Allyn Denison	1916 M	Hartford, Conn.
Stodder, Frederick Gere	1919 M	Burden, Kan.
Stokes, Arthur McGrath, A.B.	1919 M.D. (N.Y.C.)	Union Hill
Stokoe, Hazel Irene	1917 Ag	Scottsville
Stoloff, Isaac Arthur, M.D.	Spec M.D. (N.Y.C.)	New York City
Stolz, Alexander Francis	1918 C	Yonkers
Stone, Dorothy Atwell	1917 Ag	Ithaca
Stone, Elmore Becker	1919 Ag	Dolgeville
Stone, Edward Stanley	1917 V	Waverly, Pa.
Stone, Frederick Engels	1919 A	Nanuet
Stone, George	1919 M	Edgemoor, Del.
Stone, Ira John	1916 M	Steelton, Pa.
Stone, Joseph Leonard	1917 M	Utica
Stonebraker, Donald Earl	1917 A	Memphis, Tenn.
Stork, Harvey Elmer, A.B., A.M.	Grad	Huntingburg, Ind.
Storrs, Will Carleton	1919 Ag	Madrid
Story, Irving Chellis, B.S.	Grad	Claremont, N. H.
Story, Robert Knight	1919 L	Brooklyn
Stotchik, Julius	1916 V	New York City
Stott, Charles Albert	1919 C	Washington, D. C.
Stotz, John Kenning	1916 M	Crafton, Pa.
Stouffer, Paul Metcalfe	1918 A (Chem)	Mercersburg, Pa.
Strattan, Abram Gaar	1916 A	Chicago, Ill.
Stratton, Robert, A.B.	Grad	Georgetown, O.
Straub, Olive	1916 A	Minersville, Pa.
Strauch, Albert Theodore, jr.	1917 M	New York City
Strebel, Robert Louis	1917 A	Buffalo
Street, Dorothy Conger	1917 A	Brooklyn
Stricker, Paul Frederick	1917 A (Chem)	Hamilton, O.
Strong, Frances Miriam	1919 Ag	Knoxboro
Strong, Frederic W.	1917 A	Cornwallville
Strong, Harry Merrill	1918 M	Willseyville
Strong, Helen Shaurman, A.B., A.M.	Grad	Germania, Pa.
Strong, Howard Herkimer	1918 Ag	Sherman
Strong, James Louis	1918 M	Turin
Stroop, Frederick Gwinner	1919 Ag	Dayton, O.
Strotz, Harold Charles	1917 A	Winnetka, Ill.
Stroyan, Earl S.	1917 Ag	Lyndonville
Strugatz, George Harris	1919 Ag	New York City
Strumer, Samuel	1917 C	New York City
Stückle, William Ferdinand	1917 A	Montclair, N. J.
Stufft, John Walter	1918 A	Boswell, Pa.
Stuntz, Hugh Clark, B.A.	Grad	Madison, N. J.
Stupp, Charles Gasner	1916 A (Chem)	Auburn
Sturcken, Harold Eugene	1917 A	Albany
Sturges, Mary Mathews, B.S., M.S.	Spec M.D. (N.Y.C.)	Winnetka, Ill.
Sturrock, Alexander Pollock	1917 V	Ithaca
Sturrock, John	1918 Ag	Ithaca
Sturrock, Walter H.	1916 M	Ithaca
Sturtevant, Julian Flad	1918 C	Rochester
Suiter, Norman Wesley	1916 Ag	Shamokin, Pa.
Sullivan, Ernest Vaughn	1919 Ag	Jordanville
Sullivan, Eugene Bernard	1918 Ag	New York City
Sullivan, Paul Livingston	1917 M	Winnipeg, Can.
Sullivan, Philip Lawrence	1918 C	Springfield, Mass.
Sullivan, William Leo	1919 Ag	Binghamton
Sultan, Fred William, jr.	1919 M	St. Louis, Mo.
Summa, Henry Theodore	1916 A	St. Louis, Mo.
Summers, Richard Thomas	1917 A (Chem)	Ithaca
Summers, Willard Samuel	1918 Ag	N. Tonawanda
Sun, Yu-fong	1918 C	Tienstin, China
Sundel, Saul Howard	1919 L	New York City
Supplee, George Cornell, B.S., M.S.A.	Grad	Ithaca
Sutcliffe, Harold Taylor	1916 M	New Paltz
Suter, Karl William	1918 Ag	Brooklyn
Sutfin, Charles Ide	1919 Ag	Ithaca
Sutherland, Edwin Malcolm	1919 A	Chambersburg, Pa.
Sutterby, William Henry	1916 V	Bath
Sutton, Edna Marguerite	1917 Ag	Ithaca
Sutton, Florence Elizabeth	1916 A	Holland Patent
Sutton, Francis Marvin, jr.	1919 A	Ithaca
Sutton, Frederick James, B.S. in Agr.	Grad	Kokomo, Ind.
Sutton, Frederick Totten	1919 A	Ithaca
Sutton, George Sutton, A.B.	1918 Ag	Aurora, Ind.
Sutton, Glenn William	1918 Ag	Dansville
Sutton, Henry Bruner	1916 A, 1919 M.D.	Albion
Sutton, John Edward, jr., A.B.	Grad	Albion
Swabey, William Curtis, A.B.	Grad	Ithaca
Swanton, William Talbot	1919 L	Youngstown, O.
Swartley, Gladys Florence	1916 A	Philadelphia, Pa.

Swartz, Anna Mary	1918 A	Monsey
Swartz, Burton LeRoy	1918 A	Lyons Falls
Swartz, Dewitt Frank	1919 M	Findley Lape
Sweeny, Samuel Chadwick	1918 Ag	Hartsdale
Sweet, Alfred Henry, A.B., A.M.	Grad	Portland, Me.
Sweet, George Clinton, jr.	1918 Ag	Buffalo
Sweet, Kenneth Stuart	1919 Ag	Mt. Vernon
Sweeting, Marjorie Amelia	1916 A	Savannah
Swensson, Henri Jordan	1920 Ar	Pittsburgh, Pa.
Swordlove, Louis	1917 C	New York City
Swift, Emmons Glazier	1916 L	Mayville
Swift, Gage Bouton	1919 A	Marathon
Swift, George Warner	1916 Ag	Forestville
Swinton, Richard Holt	1919 M	Port Jervis
Swisher, Charles Lee, A.B., A.M.	Grad	Wellington, Ill.
Switzer, Virginia Watson	1918 A	Staunton, Va.
Sydney, Elias Charles, A.B.	1919 M.D. (N.Y.C.)	New York City
Sylvester, William Boyd	1919 Ag	Black River
Symonds, Brandreth, jr.	1917 A	New York City
Szupas, Hypatia Julia	1917 A	Scranton, Pa.
Szymoniak, Thaddeus	1919 Ag	Buffalo
Taber, Carlotta Lowell, B.A.	1917 Ag	Worcester, Mass.
Taber, David Fairman, jr.	1916 L	Riverside, Cal.
Taber, Helen	1916 A	Buffalo
Taft, Lyman Herbert, jr.	1918 Ag	Montgomery
Taggart, Clarence William	1919 M	Sayre, Pa.
Taggart, Donald Campbell	1916 Ag	Westfield, N. J.
Tallman, Frank Gifford, jr.	1917 M	Wilmington, Del.
Tallman, Nellie Grace	1919 A	Mt. Morris
de Tamble, Paul Allen	1918 Ag	Newburgh
Tamblyn, Gerald Matthew	1916 A	Wilkes Barre, Pa.
Tang, Min Kao	1918 M	Sez Chuen, China
Tang, Yueh	1918 A	Lusar, Foochow, China
Tanner, Alvin C., S.B., M.D.	Spec M.D. (N.Y.C.)	Birch Run, Mich.
Tanner, Carl William	1919 Ar	Elmira
Tanner, Donald Phipps	1918 Ag	Peckville, Pa.
Tapke, Victor Ferdinand, B.Sc. in Agr.	Grad	Ithaca
Tapley, Fred Jowett	1919 C	Haverhill, Mass.
Tapolow, Samuel Bernard	1917 Ag	Brooklyn
Tappan, Marjorie	1917 A	Highwood, N. J.
Tarbell, Dorothy	1916 A	Ithaca
Tarr, Albert Jacob	1918 V	Waterloo
Tassinari, Hugo Anthony, A.B.	Spec M.D. (N.Y.C.)	New York City
Tatarsky, Benjamin Fabius	1918 Ag	Brooklyn
Tauszik, Adolph	1917 Ag	New York City
Tavares, Gustavo Antonio	1919 Ag	Santiago, W. I.
Tavares, John Thomas	1918 C	Santo Domingo, D. Rep.
Taylor, Alfred Leslie	1919 A	Varna
Taylor, Bayard	1916 A	Clinton
Taylor, Edward Winthrop	1919 Ag	Chicago, Ill.
Taylor, Frank Jordan	1920 Ar	Sharon, Pa.
Taylor, Garret Amos	1918 M	Wilmington, Del.
Taylor, Gilbert Morris	1916 A	St. Paul, Minn.
Taylor, Harry Stanley	1919 L	Waterford, Pa.
Taylor, John Laning	1919 L	Oswego
Taylor, Ralph Corbin	1917 M	Roland Park, Md.
Taylor, Wilberforce	1918 A	Hubbard Woods, Ill.
Tears, Claude Frederick	1917 A (Chem)	Star Lake
Teator, Roscoe	1916 Ag	Upper Red Hook
Teeter, Lowell Homer	1918 L	Canton, Pa.
Teixeira, Wicar Goes	1919 Ag	Para, Brazil
Tenny, Harold Elwood	1916 Ag	Hilton
TerBush, Emery Boyce	1919 Ag	Greenfield
Terrazas, Federico	1916 C	Chihuahua, Mex.
Terrill, Leslie Roy	1917 C	Copenhagen
Thatcher, Charles Garrett, A.B.	1916 M	Swarthmore, Pa.
Thatcher, Evangeline Voorhees	1916 A	West Danby
Thayer, Clara Louise	1916 Ag	Ludlowville
Thayer, Clark Leonard, B.S.	Grad	Enfield, Mass.
Theodore, Samuel Joseph	1916 A	Aruppukota, India
Therkelson, William	1916 Ag	Perth Amboy, N. J.
Theye, Charles Manuel	1919 M	Havana, Cuba
Thilly, Gertrude	1917 A	Ithaca
Thomas, Albert Edward	1919 Ag	Corbettsville
Thomas, Allen Job, A.B., LL.B.	Grad	Ithaca
Thomas, Beverly, jr.	1916 M	Hague-on-Lake George
Thomas, Cecil Calvert, A.B., A.M.	Grad	Ithaca
Thomas, Charles Edwin, M.E.	Grad	Brooklyn
Thomas, Charles Louis, jr.	1918 A	Cincinnati, O.
Thomas, Edwin Hewes	1918 A (Chem)	Wilmington, Del.

Thomas, Frank Henry	1916 Ag	Brooklyn
Thomas, John Cooper	1918 M	Bramwell, W. Va.
Thomas, Joseph Albert	1918 C	Lebanon, Pa.
Thomas, Robert White	1919 Ag	Rochester
Thompson, Charles Anthony	1917 Ag	Greenwich
Thompson, Chester Arthur	1916 C	Albany
Thompson, Donald Church	1917 Ag	Amherst, Mass.
Thompson, Frederic DeLong	1918 M	Chicago, Ill.
Thompson, Frederick William	1919 Ag	New York City
Thompson, George	1919 M	Port Richmond
Thompson, George Russell	1916 C	Astoria
Thompson, Hugh Lincoln	1919 M	Kansas, Mo.
Thompson, James Dilley, jr., B.S.	Grad	Granville, O.
Thompson, John Graham, B.Chem.	Grad	Eau Claire, Wis.
Thompson, Neva Jeanette	1919 Ag	Candor
Thompson, Richard Nelson	1918 A	Fall River, Mass.
Thompson, Sawyer	1919 A	Brooklyn
Thompson, Sidney Paul	1918 Ar	Ithaca
Thompson, William Delmore	1918 M	Freneau, N. J.
Thomson, John Herndon, B.S.	Spec Ar	Union, S. C.
Thomson, Mary Winifred	1916 A	South Glens Falls
Thomson, Walter Dewitt, jr.	1919 Ag	Rutherford, N. J.
Thomson, William Maxwell	1916 V	Syracuse
Thorne, Harold Wooster	1916 M	Peekskill
Thornton, Thomas	1918 L	Ellenville
Thorpe, Chas. Monroe, jr.	1916 A	Pittsburgh, Pa.
Thorp, Evelyn Louise	1916 A	Pittsburgh, Pa.
Thorp, George Boulton, A.B.	1916 M	Pittsburgh, Pa.
Thorp, Katherine	1919 A	West Roxbury, Mass.
Thrasher, Herbert Maxwell	1919 M	Norfolk, Va.
Thurston, Allen McKinley, A.B.	Grad	Sulphur Springs, Ind.
Tibbitts, Armand Rhodes, B.S.	Grad	Waukesha, Wis.
Tibbitts, Frank Marsden	1916 Ag	Ithaca
Tibbott, Edward Winship	1919 Ag	Ithaca
Tichenor, LeGrand Livingston	1918 Ag	New York City
Tidmarsh, George Paul	1919 M	Seattle, Wash.
Tiedeman, Irvin Bruce	1919 Ag	Brooklyn
Tierney, Thomas A., A.B.	1919 M.D. (N.Y.C.)	Scranton, Pa.
Tikofsky, Joseph	1919 Ag	Brooklyn
Tilley, Clarence	1917 V	Upperville
Tilley, Norman Nevil, M.E.	Grad	Buffalo
Tillotson, Edwin Haight	1917 C	Detroit, Mich.
Tillotson, Magna Charta	1917 Ag	Jamestown
Tilson, Howard Ferguson	1917 Ag	Texarkana, Tex.
Timmerman, Arthur Pearson	1917 M	St. Louis, Mo.
Timmerman, John Paul	1919 A	Lima, O.
Ting, Quan	1916 M	Shanghai, China
Tinkham, Edward Ilsley	1916 Ag	Upper Montclair, N. J.
Tinkham, Norman Richard Murdock	1918 Ar	Jamestown
Tinnerholm, Arthur Rudolf	1918 Ag	Schenectady
Tipson, George Samson	1919 Ag	Brooklyn
Titchener, Walter Edmund	1917 M	Cortland
Titsink, Harry Alfred	Spec Ag	Brooklyn
Titsworth, Bertha E., B.S.	Grad	Alfred
Tobey, Clinton Russell	1918 M	Walton
Tobey, Edward Sprague	1919 Ag	New Rochelle
Tobin, Bernard O'Brien	1917 A	Rochester
Todd, Kirkland Wiley	1919 C	Wilkesburg, Pa.
Todd, Marea	1917 A	Fleischmanns
Todd, William Thomas, jr.	1916 M	Pittsburgh, Pa.
Toksvig, Gudrum	1919 Ag	Thorsby, Ala.
Toksvig, Signe Kirstine	1916 A	Thorsby, Ala.
Toles, Donald Taylor	1916 Ag	Otego
Toll, Karel Haensen	1918 A (Chem)	Passaic, N. J.
Tomlines, Thomas Frederick Illingworth	1917 M	Watertown
Tomlinson, William Wallace	1919 Ag	Lockport
Tompkins, Helene Marie	1917 Ag	Newfield
Tomsuden, Louis Ernest	1919 Ag	Brooklyn
Tong, Towe	1919 C	Tientsin, China
Tonks, Harry Charles	1916 C	Newark, N. J.
Toolan, John Edward	1916 L	Perth Amboy, N. J.
Topkis, Bernard Harry	1919 Ag	Wilmington, Del.
Topp, Howard Alfred	1917 Ar	Pittsburgh, Pa.
Torbert, Hazel Augusta	1918 Ag	Interlaken
Torrance, Robert Smith	1916 C	Gowanda
Torroella, Juan Rooney	1918 C	Habana, Cuba
Toussaint, Richard Philip	1919 M	New York City
Towar, Frank Jonas, jr.	1916 A	Detroit, Mich.
Townes, Robert Edward	1919 A	Memphis, Tenn.
Townsend, Alfred Sears	1917 Ag	Trumansburg
Townsend, Clarence Ellsworth, M.E.	1917 Ag	Ithaca
Townsend, Emma Natalie	1919 A	New Brighton

Townsend, Jay Griffith	1919 V	Racine, Wis.
Townsend, Louise, A.B.	1916 M.D. (N.Y.C.)	New Brighton
Townsend, Prescott Winson	1916 A	Middletown
Townsend, Theodore Horton	1917 Ag	Elmira
Tozer, Frank Wallace	1919 C	Ithaca
Trask, James Dowling, jr., Ph.B.	1917 M.D. (N.Y.C.)	Highlands, N. J.
Trask, Warren Ira	1916 Ag	Ithaca
Traver, Harold G.	Spec Ag	Rhinebeck
Traver, Jay R.	1918 A	Willoughby, O.
Trax, David Lewis, jr.	1916 Ag	Oil City, Pa.
Traxel, Emma Jane, B.S.	Grad	Rome
Treanor, William Good	Spec M	San Diego, Cal.
Tree, Russell Thomas	1917 M	Ithaca
Tregurtha, James David	1918 Ag	Schenectady
Tresselt, Frederick	1919 Ag	New York City
Tressler, Donald Kiteley, A.B.	Grad	Montpelier, O.
Terthaway, Joseph David	1919 M	Wilkes-Barre, Pa.
Trethaway, Robert Charles	1916 A	Parsons, Pa.
Trethaway, William, jr.	1920 M	Wilkes-Barre, Pa.
Trevor, Karl Robert	1916 M	Ithaca
Trimble, James Ford, A.B.	1916 M.D. (N.Y.C.)	Jeannette, Pa.
Tripp, Lynn Howard	1918 V	Saranac
Trowbridge, Sherman	1919 A	Flushing
Troyan, Joseph Francis	1919 A	Cleveland, O.
Trumbull, Arthur Ray	1919 M	Keene Valley
Truthan, Edwin Julius	1919 Ar	Cleveland, O.
Tsang, Kwong Chi	1917 M	Canton, China
Tsou, Ping Wen, B.S.	Grad	Soochow, China
Tubbs, Walter Julius	1916 Ag	Moravia
Tucker, Hazel Aubrey	1916 A	Whitman, Mass.
Tucker, Talmage Thomas, B.S. in Agr., A.M.	1916 V	Hallsville, Mo.
Tufts, William Felt	1918 M	Brookline, Mass.
Tuma, Vladimir Anthony	1919 Ag	New York City
Tunnick, John Clarence	1917 C	Moline, Ill.
Turnbull, Thomas, III	1918 A	Pittsburgh, Pa.
Turner, James Jewett, jr.	1918 M	Pittsburgh, Pa.
Turner, Louis Alexander	1920 M	Akron, O.
Turner, Mark Nathan	1919 A	Sodus
Turner, Philip Layton, B.S.	1916 M.D. (N.Y.C.)	Elmhurst
Turner, Richard Harold	1920 M	Falconer
Tutchings, Harvey Inkpen	1918 L	Johnstown
Tuttle, Elbert Parr	1918 A	Honolulu, Hawaii
Tuttle, Eudora Farnham	1917 Ag	Eastport
Tuttle, Harlow	1916 A	Pine Plains
Tuttle, Malcolm Harley	1918 M	Honolulu, Hawaii
Tuttle, William Sylvester	Spec M.	Bridgeport, Conn.
Twitchell, William Lee	1919 Ag	North Collins
Tyler, Miles Ellis	Spec Ag	Susquehanna, Pa.
Tyler, Walter Arnold	1919 M	Brooklyn
Tymeson, Charles Prindle	1916 M	Johnstown
Uhl, Victor Leroy	1916 M	Corning
Uhlmann, Richard Frederick	1919 A	Chicago, Ill.
Ullman, David Louis	1917 A	Buffalo
Ulloa, M. José Ralph	1919 M	Salvador, C. A.
Underwood, Arthur Judson	1919 M	Newark, N. J.
Unger, John Samuel	1919 Ag	Boyertown, Pa.
Unger, William Suppes	1916 M	Duquesne, Pa.
Upstill, Edgar Daye	1919 M	Cleveland, O.
Upton, Glenn Edward	1919 Ag	Pulaski
Urner, Gordon	1918 A	Fanwood, N. J.
Vail, Alfred Cresson	1916 M	Media, Pa.
Vail, Donald Bain	1917 Ag	Ridgewood, N. J.
Valade, Ernest Augustus, B.S. in E.E.	1917 M	Randolph Center, Vt.
Valderrama, Mariano Alfredo	1918 C	Ithaca
Valdés, José Manuel, A.B.	1916 M	Mantanza, Cuba
Valentine, Alastair Ian Grant	1918 A	Chicago, Ill.
Van Allen, George Raymond	1918 A	Rensselaer
Van Alstyne, Eleanor Van Ness, B.S., Ph.D.	1916 M.D. (N.Y.C.)	New Rochelle
Van Arnam, William Donaldson	1916 A (Chem)	Buffalo
Van Atta, Ronald Campbell	1918 L	Waverly
Van Brocklin, Frank Ray, A.B.	1916 A (Chem)	Genoa
Van Brunt, Virginia	1917 A	Brooklyn
Van Buren, George Burnett	1916 L	Poughkeepsie
Van Campen, James King, jr.	1917 C	Olean
Vanderbilt, William Stephen, jr.	1917 Ag	Greenville
Vanderslice, John Alpheus	1916 Ag	Phoenixville, Pa.
Van Doren, Jesse T.	1919 Ag	Three Mile Bay
Van Dusen, Frederick Clair	1917 Ar	Southold

Van Dusen, Leslie Barden	1916 Ag	New York City
Van Dyke, Edward Lester	1918 A	Delhi
Van Hoesen, Gladys Lorena	1918 Ag	Hudson
Van Horn, Ralph Chapman	1918 Ag	Elmira
Van Horson, John Marinus	1916 A	Mt. Vernon
Van Keuren, Ernest Canfield	1918 Ag	Savona
Van Keuren, Helen	1916 Ag	Troy, Pa.
Vann, Jessica, A. B.	1916 A	Wilmington, N. C.
Van Natta, Maude	1917 Ag	Ithaca
Van Nuys, Ellen Margaret	1919 Ag	Somerville, N. J.
Van Order, Catherine	1916 Ag	Ithaca
Van Scoy, Alice Cornelia	1917 Ag	Candor
Van Volkenberg, Horatio Luther	Spec Ag	Springville
Van Wagenen, Amy Elizabeth	1918 Ag	Kingston
Van Wagenen, Ethel Phillips, Ph.B.	Grad	Denver, Col.
Van Wagenen, John DuBois	Spec Ag	Kingston
Van Wagnen, William Perrine	1918 A	Worcester
Van Winkle, Allan Foster	1917 Ag	Brooklyn
Vass, Alonzo Frederick, B.S. M.S.	Grad	Ithaca
Vastine, Jacob Hursh	1918 M	Catawissa, Pa.
Vaughn, Harry Lee	1916 Ag	Worcester
Velguth, Roland Chester	1916 Ar	Milwaukee, Wis.
Vermilyea, Wesley Floyd	1916 Ag	Waterford
Verwiebe, Frank Louis	1919 A	Buffalo
Viano, Eugene John	1918 A (Chem)	Lexington, Mass.
Vickers, John Harold	1917 M	Chicago, Ill.
Vidal, Alvarez Felipe Felix	1916 M	Guayama, Porto Rico
Vieweg, Otto Carl	1916 C	Elmira
Vigert, Vilma	1919 Ag	New York City
Vinton, Frances Eliza, B.A.	Grad	Bedford
Vischer, Peter	1919 A	Tompkinsville
Vivoni, William	1920 M	San German, P. R.
Vogel, Hugo Corte Real	1919 A	Milwaukee, Wis.
Vogel, William Edmund	1919 L	Goshen
Vohr, John Henry	1916 M	Pittsburgh, Pa.
Volkhardt, Aquila Nebeker	1919 M	New York City
Vollrath, Jean Carl	1917 M	Sheboygan, Wis.
Volz, Emil Conrad, B.S.	Grad	Saginaw, Mich.
Van Oehsen, William Henry	1919 A	New York City
Von Wening, Anthony	1918 Ag	Brooklyn
Voorhees, Isaac Newton	1917 Ag	Amsterdam
Voorhees, James Veghte	1919 A (Chem)	Richmond Hill
Vose, Hamilton, jr.	1916 A	Milwaukee, Wis.
Waag, Herman Benoit	1919 M	New York City
Wackman, Clarence Frederick	1918 A (Chem)	St. Louis, Mo.
Wadsworth, Frank, jr.	1919 A	Newark, N. J.
Wadsworth, Leota Ada	1919 Ag	Brooklyn
Wager, David Collis	1916 A	Utica
Wagman, John Potter	1917 A	Saratoga Springs
Wagner, David	1919 Ag	Ithaca
Wagner, Peter Gregory	1918 A	Belmont
Wagner, Thomas Rowan	1918 Ag	Philadelphia, Pa.
Wahle, Carl Budd	1919 C	New York City
Wait, Constance Elaine	1916 A	New York City
Wait, Justin Federal	1916 M	New York City
Waite, Edward Ragsdale	1919 L	Fort Ann
Wakeley, Morton	1918 A	Omaha, Neb.
Walbran, Nicholas Arthur	1918 C	Oriskany
Walbridge, Helen Isabel, A.B.	1918 M.D. (N.Y.C.)	New York City
Walcott, Sidney Stevens	1916 A	Washington, D. C.
Waldbauer, Louis Julius	1917 A (Chem)	St. Louis, Mo.
Walden, Daniel Treadwell	1917 Ag	Hackensack, N. J.
Waldo, Reginald	1919 C	Campbell Hall
Waldron, William Robert	1917 A (Chem)	New Germantown, N. J.
Walker, Carl Henry	1916 C	Baltimore, Md.
Walker, Everett David	1918 L	Erie, Pa.
Walker, John Howard	1920 M	Philadelphia, Pa.
Walker, Lewis Edgar	1917 Ag	Waverly
Walker, Norton Wells	1919 A	Byron
Walkley, Fred Rosman	1917 Ag	LeRoy
Wall, Holden Cooper	1918 A	Lake Charles, La.
Wall, James Joseph, jr.	1916 C	Duluth, Minn.
Wall, William Arthur	1919 Ag	Savona
Wallace, Aaron Van Duser	1920 C	Goshen
Wallace, Bessie May	1917 A	Middletown
Wallach, Kaufman, A.B.	1917 M.D. (N.Y.C.)	New York City
Wallenfels, Hugo	1919 Ag	Bohemia, Austria
Waller, Owen Meredith	1918 V	Brooklyn
Waller, Ray Benson Potter	1916 V	Ithaca

Wallower, Herbert Hoover	1918 M	Harrisburg, Pa.
Walrath, Frank Josiah	1919 Ag	Amsterdam
Walsh, John Loughran	1919 Ag	Brooklyn
Walter, Carl Francis	1917 Ag	Scranton, Pa.
Walzer, Matthew	1916 A, 1919 M.D.	Brooklyn
Wangler, Herman Ernest	1918 V	Liverpool
Wann, Frank Burkett, A.B.	Grad	Warsaw, Ind.
Wanser, Paul	1918 M	Tarrytown
Warburton, Raymond Addison, B.S.	1918 M.D.	Brooklyn
Ward, Alfred Whitaker	1917 A	Cleveland, O.
Ward, Charles Paul	1917 A	Candor
Ward, DeWitt Clinton	1917 Ag	Barnard
Ward, Earnest Harold	1918 M	Morristown, N. J.
Ward, Emily Evelyn	1918 A	Dolgeville
Ward, Leroy Stanley, LL.B.	1917 Ag	Ithaca
Ward, Stanley Mortimore	1918 Ar	Newark, N. J.
Warden, Robert Bruce	1918 M	Washington, D. C.
Wardenburg, Harry George	1919 M	Brooklyn
Wardwell, Samuel	1919 A	Rome
Ware, Edward Miller, M.D.	Spec M.D. (N.Y.C.)	DuBois, Neb.
Warn, Pearl Lorena	1917 Ag	Little York
Warner, Alan Dean	1918 A	Dunkirk
Warner, Charles Albert	1917 A	Ithaca
Warne., Elbridge Stephen	1917 Ag	Unionville, O.
Warner, Hollis Victor	1918 Ag	Aquebogue
Warner, Howard Sheldon	1917 A	Albion
Warner, Kenneth Baird	1916 M	Bridgeport, Conn.
Warner, Luther Christopher	1918 Ag	Altamont
Warner Sidney Sardus	1918 Ag	Wellington, O.
Warren, Harrington Lewis, jr.	1919 Ag	New York City
Warren, John Freeman	1919 Ag	Ithaca
Warren, Richard Gunton	1918 M	W. Newton, Mass.
Warren, William Dwight	1918 Ag	Elmira
Warshaw, David	1916 A, 1919 M.D.	Albany
Warshawsky, Charles Lincoln	1919 L	Newark, N. J.
Warshow, Herman	1916 A	New York City
Wasserman, Max Judd	1918 A	St. Louis, Mo.
Wasson, Roy John	1918 A	Camden
Waterbury, Lawrence Stuart	1919 C	Mamaroneck
Waterman, George Willis, Ph.B.	1919 M.D. (N.Y.C.)	Providence, R. I.
Waters, Helen Louise	1918 A	Green Island
Watkins, Edwin Hoffman	1918 M	Baltimore, Md.
Watkins, Frederic Moore	1919 M	Ithaca
Watkins, Myron James	Spec Ag	Hudson Falls
Watkins, Myron Webster, A.B.	Grad	Milford, Mich.
Watson, James Edwin, jr.	1919 A	Fairmont, W. Va.
Watson, Mary	1919 A	Pittston, Pa.
Watt, Edgar Raymond	1919 M	Ithaca
Watt, John Murker	1919 Ag	Honolulu, Hawaii
Watt, Roland McKinley	1917 M	Chicago, Ill.
Way, Walter Denslow	1917 V	Andover, Conn.
Weaver, Herbert Rolland	1918 Ar	Utica
Weaver, Leland Eugene	1918 Ag	Findley Lake
Webber, Fera Ellen	1917 Ag	Riverside, Cal.
Weber, Jacob Herbert	1919 A	New York City
Weber, Richard	1919 C	Camillus
Webster, Frederic Montrose August	1917 Ag	Ithaca
Webster, Maurice Hillis	1916 Ar	Evanston, Ill.
Webster, Morton Stonehill	1919 A	Lawrence
Webster, William Lester	1916 Ag	Stanley
Webster, William Lewis	1919 A	East Aurora
Weckstein, Isidore	1918 A (Chem)	Brooklyn
Wedlake, William Jacob	1917 Ag	Mt. Vernon
Weeden, Willis Morris	1916 A, 1919 M.D.	Frankfort
Weeks, Edward Augustus, jr.	1920 M	Elizabeth, N. J.
Weeks, Paul Thorne, A.B.	Grad	Kipton, O.
Weigt, John William	1918 M	Flushing
Weil, Lester Isaac	1917 Ag	Buffalo
Weilepp, Thomas Greacen	1918 M	Ithaca
Weimar, Matthew William	1917 L	Buffalo
Weindling, Ludwig	1918 C	Brooklyn
Weinert, Fred Charles	1918 A	Dunkirk
Weinstein, Abraham Edward	1918 Ag	New York City
Weinstein, Harold Long	1918 Ag	Dundee
Weinstein, William	1918 Ag	New York City
Weintraub, Philip	1919 Ag	New York City
Weisbein, Isaac	1916 Ag	Brooklyn
Weiskopf, Lawrence	1918 Ar	South Euclid, O.
Weiss, Carl Otto	1917 Ag	Jersey City, N. J.
Weisman, Louis Goldman	1918 V	Brooklyn
Weiss, Harold Turrett	1919 M	Cleveland, O.

Weiss, Joachuin Emillo	1916 Ar	Havana, Cuba
Weiss, Max	1917 Ag	New York City
Weiss, Paul Albert Henry	1916 M	Rochester
Weiss, Simon	1920 C	Monticello
Weissman, Sarah Lalla, B.S.	Grad	Ithaca
Welch, James Joseph	1919 L	Saratoga Springs
Welch, Vimont Carpenter	1918 M	Lakewood, N. J.
Welch, William Miller, 2d	1920 M	Yardley, Pa.
Weldgen, Raymond Owen	1918 V	Batavia
Weller, Walter, A.B.	1918 M.D. (N.Y.C.)	Hoboken, N. J.
Welles, Colin Gilchrist	1918 Ag	Schenectady
Welles, John Weaver	1918 A	Kingston, Pa.
Welles, Russell	1916 A	Norwich, Conn.
Wellman, Harrison Wilbur	1919 M	Denver, Col.
Wells, Charles Howell	1916 Ag	Rochester
Wells, Guy Hemip	1919 L	Dayton, O.
Wells, Joseph Julius, A.B.	1918 M.D. (N.Y.C.)	Yonkers
Wells, Nelson Miller	1918 Ag	Baldwinsville
Wells, Robert Forbes	1917 Ag	Hallstead, Pa.
Welty, Dan E., B.S.	Grad	Greensburg, Pa.
Wendelken, Gerd Miller, B.A.	Grad	Marietta, O.
Wentz, Alfred Joseph	1917 L	Wilkes-Barre, Pa.
Wentz, John Budd, B.S.A.	Grad	Chariton, Ia.
Wenz, Louis Ezra	1918 Ag	New York City
Wert, Howard Daniel	1916 A	Shamokin, Pa.
Werther, Rose Marion	1919 A	Elmhurst
West, Frances Georgia	1918 Ag	Rochester
West, Karl Groff	1919 C	Danville, Pa.
West, Ralph George	1919 M	Newark
Westbrook, Nathan Glenn	1916 Ag	Hemlock
Westermann, Henry Louis	1918 M	Chicora, Pa.
Westhall, Leon Ernest	1917 A	Lakewood, N. J.
Westheimer, James Russell	1917 A	Americus, Ga.
Westing, Ralph Sutherland	1918 A	Atlantic City, N. J.
Westover, Wendell	1918 L	Schenectady
Westphal, Milton Christian ¹ John	1918 A	Buffalo
Wetz, John Walter, jr.	1917 Ag	Trumansburg
Wetzel, Frank Carl	1919 M	Harrison, N. J.
Wetzel, Gustave Adolph	1919 Ag	Philadelphia, Pa.
Wheadrick, Winfield George	1919 A	Buffalo
Wheeler, Bradley Longwell	1916 Ag	Penn Yan
Wheeler, Fred Eugene	1919 Ag	North Bangor
Wheeler, Mary Waterbury, B.S.	Grad	Deposit
Wheeler, Ralph Adna	1917 Ag	Lackawanna
Wheeler, Roy Russell	1917 Ag	Rockville Center
Wheeler, Ward Alford	1918 A	Delhi
Wheeler, William Johnston	1917 M	Elmhurst
Wheless, Eakin Lockwood	1916 M	Shreveport, La.
Whiston, Howard Clark	1918 M	East Orange, N. J.
Whitaker, Henry Dowley	1918 A	Cincinnati, O.
Whitcomb, Howard Marvin	1919 Ag	Nichols
White, Anna Laura	1919 A	Walton
White, DeGray	1917 M	Butler, N. J.
White, Dorothy Allison	1917 A	Philadelphia, Pa.
White, Earl Archibald, B.S., M.S.	Grad	Antioch, Ill.
White, Edgar Greaves	1918 M	Syracuse
White, Floyd Henry	1917 V	Rhinebeck
White, George Fitch	1918 A	Walton
White, Guy Alfred	1918 M	Buffalo
White, Howard Adams	1919 Ag	Buffalo
White, Marion Langworthy	1918 A	Ithaca
White, Robert Morris	1917 M	Ithaca
White, Ward Benjamin, A.B.	Grad	Ithaca
White, William Albert, jr.	1916 A	Brooklyn
White, William Charles	1918 C	New Rochelle
Whitcotton, J. Arthur	1916 A	Provo, Utah
Whitehead, Thomas Cram	1917 A	Detroit, Mich.
Whiting, Edward Tiffany	1917 A (Chem)	Summit, N. J.
Whitman, Carroll Nunn, A.B.	1916 L	Ithaca
Whitman, James Spaulding	1918 Ar	Canton, Pa.
Whitman, Samuel Corbin	1919 A	Afton
Whitmore, Matthew Franklin	1918 V	Addison
Whitney, Andrew Jackson	1918 C	Wilmington, Del.
Whitney, Cass Ward, B.S.	Grad	Rochester
Whitney, John Randall	1917 A	Sewickley, Pa.
Whitney, Ralph Steward	1916 V	Westport
Whittaker, Harold Arthur	1920 C	Windsor, Ont.
Whittemore, Beverly	1919 Ag	Collins Center
Whittier, Paul Fletcher, B.S. in C.E.	1916 C	Waban, Mass.
Wichelns, Herbert August	1916 A	Brooklyn

Wicker, Mildred Marie	1919 A	Livonia
Wickerham, Howard Lawrence	1919 Ar	Homestead, Pa.
Wickes, Charles Raymond	1919 Ag	Merchantville, N. J.
Wickham, Marvin Woodley	1919 M	Poughkeepsie
Wicks, James Monroe, M.D.	Spec M.D. (N.Y.C.)	Jamaica
Wicks, John Doane	1919 M	Syracuse
Wiebenson, Walter Edward	1919 M	Cleveland, O.
Wiechers, Manolo	1916 M	Methfessel St. pleton
Wiele, Ernest Victor, A.B., A.M.	1917 Ag	Jersey City, N. J.
Wiesner, Maurice William	1916 M	Rochester
Wigdor, Meyer	1917 Ag	New York City
Wiggans, Roy Glen, B.S. in Agr., M.S. in Ag.	Grad	Columbia, Mo.
Wiggins, Dean Cushing	1919 A	Starlight, Pa.
Wiggins, Inez Louise, A.B., A.M.	Grad	Ithaca
Wigglesworth, Albert Gifford	1919 M	Wilmette, Ill.
Wightman, Gordon Ellwood	1917 A (Chem)	Ithaca
Wightman, Rolan J.	1916 M	Nyack
Wigsten, Ellen Cecelia, A.B.	Grad	Elmira
Wigsten, John	1917 Ag	Elmira
Wilbur, Florence Emily	1916 A	King Ferry
Wilbur, Francis Cressy	1918 Ag	Albany
Wilcox, Robert Franklin	1919 A	Laporte, Ind.
Wilde, Byder Wellington, jr.	1917 A	Hazleton, Pa.
Wilder, John Hayhurst	1917 M	Fredonia
Wilds, George James, A.B.	Spec Ag	Ridgeway, S. C.
Wiley, Henry Wood	1916 M	Washington, D. C.
Wilford, Edward James	1917 Ag	Ithaca
Wilkinson, Marshall Fisk	1917 V	Clinton
Willard, Neil Matthew	1918 Ag	Buffalo
Willcox, Bertram Francis	1917 A	Ithaca
Willcox, Harry J., A.B., A.M.	Grad	Ithaca
Willcox, Herbert Arthur	1918 Ar	Kasota, Minn.
Wille, Charles	1918 Ag	New York City
Willey, Mildred Kathleen	1918 A	Freeville
Williams, Ernest Arthur	1919 M	Douglas, Ariz.
Williams, Harold Willson	1918 M	Washington, D. C.
Williams, John Gordon	1919 C	Beacon
Williams, John Sneed, jr.	1919 A	Memphis, Tenn.
Williams, John Webster	1918 A	Milwaukee, Wis.
Williams, Paul Alfred	1917 M	Plymouth, Pa.
Williams, Ruth	1918 A	Denison, Tex.
Williamson, Frederick Voorhees	1919 M	Brooklyn
Willis, Elias Root Beadle, A.B., A.M.	Grad	Ithaca
Willis, Geraldine Margaret	1917 A	Ithaca
Willis, Ned Theodore	1919 Ag	Ithaca
Willis, Paul Truitt	1918 A	Niagara Falls
Willsey, Warren Gilbert	1918 L	Cortland
Willson, Robert Bellows	1917 Ag	New York City
Wilmington, John Doane	1918 A	Toledo, O.
Wilson, Benjamin Dunbar, B.S., M.S.	Grad	Lexington, Ky.
Wilson, Donald Bower	1919 Ag	Chrome, N. J.
Wilson, Harold Phillips	1916 A (Chem)	Clearfield, Pa.
Wilson, Hudson J., A.B.	1916 M.D. (N.Y.C.)	Ithaca
Wilson, Jacob	1919 A	Brooklyn.
Wilson, J. Bert	Spec A	Ithaca
Wilson, James Bentley	1919 Ag	Buffalo
Wilson, James Edward	1919 Ag	Patchogue
Wilson, Percy Snyder	1920 C	Glen Ridge, N. J.
Wilson, Robert Henry, jr.	1916 L	Brooklyn
Wilson, Samuel	1917 A (Chem)	Brooklyn
Wilson, Stewart Collins	1917 M	Indianapolis, Ind.
Wilson, Stuart	1916 Ag	Ithaca
Wilson, William Roswell	1916 A	Chicago, Ill.
Winans, Wilber Rauymaur Randolph	1920 Ar	Clyde, Idaho
Winchell, Paul Albert	1917 Ag	Mt. Vernon
Windnagle, Linus Vere	1917 Ag	Portland, Ore.
Wing, Leon Walton, jr., B.S. in Agr.	Grad	Joplin, Mo.
Winn, Carl Preston	1918 Ag	Brooklyn
Winner, Dorothy	1916 A	Newark, N. J.
Winship, Arthur Wilson	1918 C	Plattsburgh
Winter, George E., M.D.	Spec M.D. (N.Y.C.)	Jackson, Mich.
Wintringham, Andrews Clement	1919 A (Chem)	Millbrook
Wipperman, Walter Kendall	1919 L	Logansport, Ind.
Wisansky, Harry	1918 Ag	New York City
Wiser, Guy Brown	1917 Ar	South Bend, Ind.
Wisner, William Dorr	1918 A	Ransomville
Wisnipsky, Harry George	1919 C	New York City
Wistrich, Harry	1918 C	New York City
Witt, Leon Richmond	1917 Ag	Brooklyn
Wittwer, Norman Carl	1918 C	Buffalo
Wixom, Clinton Wood	1919 C	Trumansburg
Wœppel, Oswald Joseph	1919 M	Corning
Wolcott, Henry Newton, B.Sc.	Grad	Tombstone, Ariz.

Wolcott, Margaret Cantine	1917 A	Newark Valley
Wolcott, Rosamond	1917 Ar	Ithaca
Wolcott, Wallace Henry	1916 Ar	Ithaca
Wolf, Harry Augustus	1919 M	Chambersburg, Pa.
Wolf, John George	1919 Ag	Varysburg
Wolf, Raymond Joseph	1917 A	Dansville
Wolfe, Clayton Adrian	1918 M	Newark
Wolfe, Mrs. Catherine Veronica Dallinger	Spec Ag	New York City
Wolfe, Florence Lora Olga	1919 A	Canastota
Wolfe, Joseph Ernest	Spec Ag	Ithaca
Wolferz, Louis Ernest, A.B.	Grad	Brooklyn
Wolford, Clayton Chester	1917 L	Ithaca
Wolodarsky, Annetta	1916 A	Brooklyn
Wolodarsky, Emil Valentine	1917 A (Chem)	Ithaca
Wong, Chun	1917 Ag	Canton, China
Wong, Harold Hung-En	1917 C	Tientsin, China
Wong, Kam Yuen	1919 M	Hong Kong, China
Wood, Ainslie George, jr.	1918 A	Dallas, Tex.
Wood, Alfred Roland	1919 C	Princes Bay
Wood, Earl LeRoy	1918 A	Newark, N. J.
Wood, Franz West	1919 M	Des Moines, Ia.
Wood, Frederick Meredith	1920 Ar	Sparrows Point, Md.
Wood, George Dilwyn	1918 A	Ithaca
Wood, Henry Eames	1918 M	Northampton, Mass.
Wood, James	1918 A	Peekskill
Wood, Leonard, jr.	1918 A	Governor's Island
Wood, Nelson Truesdell	1916 C	Brooklyn
Woodard, Ruth	1919 A	Glens Falls
Woodburn, Chester Charles	1917 Ar	Boone, Ia.
Woodbury, Bicknell James	1918 C	Danville, Ill.
Woodbury, Newell Brown	1916 M	Beverly, Mass.
Woodelton, Royal Blaine	1918 Ag	Ithaca
Woodford, Paul Birdseye	1917 Ag	Syracuse
Woodford, William Henry Jackson	1918 A	New York City
Woodle, George Bradley	1916 M	Syracuse
Woodman, DeGraaf	1917 Ag	New York City
Woodman, Winifred	1917 A	Brooklyn
Woodruff, Charles Curtis, jr.	1919 C	Long Island City
Woods, William Colcord, B.A.	Grad	Orono, Me.
Woodward, Albert Judd	Spec Ag	Stockton
Woodward, Arthur Coy, A.B.	1917 M	Ithaca
Woodward, Henry Stimpson, A.B.	1917 Ag	Acoaxet, Mass.
Woodworth, Harry Clark, B.S.	Grad	Mankato, Minn.
Woodworth, (Mrs.) Martha Wiecking, B.A.	Grad	Mankato, Minn.
Woodworth, Roswell Williams	1918 A	Homer
Woolf, Henry Solomon, B.S.	Grad	Transvaal, S. Africa
Woolston, William Dan	1916 Ag	Pittsford
Woolver, Ernest Carlton	1916 Ag	Richfield Springs
Wooten, Harry Ray, A.B.	Grad	Oakdale, Pa.
Work, John Stewart	1919 M	New York City
Working, Holbrook, A.B.	Grad	Takoma Park, D. C.
Worn, George Austin	1917 M	Reno, Nev.
Worster, Rebecca Jane	1918 Ag	Chautauqua
Worthen, Louise Wilcox, B.S.	Grad	Concord, N. H.
Worthington, Isaac L. Morrison, A.B.	1919 M	Jacksonville, Ill.
Wright, Abner Miles	1917 M	Evanston, Ill.
Wright, Chilton Austin	1919 C	New Rochelle
Wright, Frederick William, B.S.	1917 M	Forest Glen, Md.
Wright, Grace	1919 Ag	Cranberry Creek
Wright, Herbert Willis	Spec Ag	Syracuse
Wright, James Jackson	1919 A	Gardiner
Wright, John Ellsworth, jr.	1919 M	Elm Grove, W. Va.
Wright, Lewis Horatio, D.V.M.	Grad	Ithaca
Wright, Walter Wayne	1919 A (Chem)	Kittanning, Pa.
Wright, William Edward Frost	1919 Ag	New Rochelle
Wright, William Harmon, B.S., M.S.	Grad	Madison, Wis.
Wrigley, Byron Earle, jr.	1920 M	Philadelphia, Pa.
Wurzbarger, Siegfried	1917 C	New York City
Wyckoff, Norman Ross	1917 C	Harrisburg, Pa.
Wygant, Laurence Greenwood	1917 Ag	Hornell
Wykes, Glenn Culver	1918 Ag	Mineville
Wyman, Horace, II	1916 M	Worcester, Mass.
Wyman, Phillips	1917 A	New York City
Wynkoop, Doris DeNard Mary	1919 A	Rochester
Wynne, Harry P.	1918 V	Binghamton
Yang, Chien	1916 M	Hangchow, China
Yang, Ying Ching	1917 A	Peking, China
Yau, Shih Yee	1918 A	Swatow, China
Yeaw, Albin	1918 A	S. Orange, N. J.
Yeh, Yu Liang	1916 A	Hongkong, China

Yellen, Max Mandel	1918 L	Buffalo
Yerke, Bertha Frieda	1916 Ag	Amsterdam
Yeung, Sik Chung	1918 Ar	Hong Kong, China
Yih, Charles Robert, B.A., B.Sc.	Grad	Soochow, China
York, Willard Denison	1918 A	Flushing
Yorkey, William Raymond, B.Sc.	1916 M	Rochester
Yoshii, Edward Etsuya	1918 M.D. (N.Y. C.)	Brooklyn
Yost, Charles Henry	1918 M	Waterloo
Youmans, Mildred Addison	1918 Ag	Whitney Point
Young, Austin Wellhouse	1918 Ag	New York City
Young, Bennett Botsford	1919 Ag	Chicago, Ill.
Young, Frank Oliver, jr.	1916 A	Wilmotte, Ill.
Young, Harold Newell	1917 Ag	Crystal Dale
Young, Howard Clifford	1918 M	Utica
Young, Paul Rexford	1916 Ag	Ithaca
Young, Wallace Shipman	1916 Ag	Bayonne, N. J.
Youngs, Frederick Tolley, jr.	1919 M	Richmond Hill
Younkheere, Robert Charles	1918 Ag	Livingston Manor
Zander, Roy John	1917 C	Chicago, Ill.
Zeiner, Eugene Francis	1919 M	Brooklyn
Zeller, Adelheid Bertha Marie Zoe	1916 A	Scranton, Pa.
Zeller, Cornelia Pauline Hedwig	1916 A	Scranton, Pa.
Zellner, Ansel Kenneth	1918 V	Waterloo
Zeltner, Lorin William	1917 Ag	New York City
Zen, Hoong Chiung	1916 A	Chungking, China
Zent, Edward George, jr.	1916 Ag	Williamsville
Zepp, Clarence Peter	1918 V	Troy
Zimm, Louis Arthur	1916 Ag	New York City
Zimmerman, Herbert Leslie	1919 M	Oak Park, Ill.
Zimmermann, William Frank	1916 M	New York City
Zinssmeister, Carl Luther, B.S.	Grad	Brooklyn
Zipkin, Nicholas, B.S.	1919 M.D. (N. Y. C.)	New York City
Zischkan, Charles Welfal	1919 Ar	Turtle Creek, Pa.
Zuckerman, Jacob	1919 Ag	Gloversville
Zurbrick, Ella Dorothy	1918 Ag	Clarence Center
Zvirin, Philip	1917 Ag	Larchmont

STUDENTS REGISTERED IN THE THIRD TERM COLLEGE OF AGRICULTURE, 1915

Abbott, John	Galveston, Tex.
Alber, Frederick Gustav	Binghamton
Allanson, Henry Emil	Ithaca
Allen, Margaret May, A.B., 1906	Ithaca
Bailey, Leo Clair	Ithaca
Banner, Erford Lynn, B.S., 1915	Bainbridge
Banta, Luther, B.S., 1915	Amsterdam
Barber, Lanus Spurgeon, B.S., (Ky. State Coll.) 1895	Tallahassee, Fla.
Barringer, Benton Elwood	Camden
Behrends, Frederick Gardner	Brooklyn
Benjamin, Foster Hendrickson	Brooklyn
Bird, Royal Gould	New York City
Borst, Edward Walter	Gardenville, Md.
Boshnakian, Sarkis, B.Sc. in Agr., (Univ. of Wis.), 1914, M.S. in Agr. (Cornell), 1915	Ithaca
Bradley, George Hirst	Hornell
Braun, Harry, B.S., 1915	New York City
Brough, Robert Bruce	San Antonio, Tex.
du Buisson, Johannes Petrus, A.B. (Univ. of Ill.), 1913, M.S.A (same), 1914,	Senekal, Orange Free State, South Africa
Bussell, Frank Pores, A.B. (Colgate), 1901	Lacon, Ill.
Carl, Leroy Robert	Colden
Carrick, Carey Walton, A.B. (Wake Forest), 1915	High Point, N. C.
Carrick, Doak Bain, A.B. (Wake Forest), 1910	High Point, N. C.
Chapman, Royal Norton, B.A. (Minn.), 1914, M.A. (same), 1915	St. Paul, Minn.
Charles, Thomas Burr, B.S., 1915	Alpine
Chien, Chih Lan	Chekiang, China
Chupp, Charles, A.B. (Wabash), 1912	Edinburg, Md.
Claassen, Peter Walter, A.B. (Univ. of Kans.), 1913, A.M. (same) 1915	Lawrence, Kans.
Coleman, Roland Warner	Piermont
Cotton, Richard Thomas, B.S., 1914	Ithaca
Cotton, Stanley William	Ithaca
Coutant, Albert Francis, B.S., 1913, A.M., 1914	Ithaca
Coutinho, Ramiro da Cunha	Belem, Para, Brazil
Covell, Abraham Irvine	New York City
Curtis, Howard Joseph	Deposit
Dadisman, Samuel Houston, B.S. Agr. (West Va. Univ.), 1912	Grafton, W. Va.
Dann, Archie Byron, B.S., 1914	Ithaca
Dean, Elizabeth, A.B. (Wellesley), 1913	Falmouth, Mass.

DeMott, Henry Vroom, B.S. in Agr., 1915	Metuchen, N. J.
Dickson, Bertram Thomas, B.A. (Queens), 1915	Brantford, Canada
Douglas, Gertrude Elizabeth, A.B. (Smith), 1904, A.M. (Cornell), 1907	Gardner, Mass.
Duckham, William Albert	Pittsburgh, Pa.
Dynes, Oliver Wesley, B.S. (N. D. Agr. Coll.), 1907, M.S. in Agr. (Cornell), 1912	Fargo, N. D.
Edgerton, Claude Heath	Ithaca
Ellenberger, Howard Bowman, B.S.A. (Iowa State Coll.) 1905, M.S. in Agr. (Cornell), 1915,	Ithaca
Ely, Berten Eben	Rome
Erde, Herman William	Brooklyn
Escoll, Morris Julius	New York City
Fenoulhet, George	Quebec, Canada
Ferguson, Donald Van Dyck	Garden City
Ferraris, Felix	New York City
Fisher, Mary Jones, A.B. (Western Md. Coll.), 1890, A.B. (Cornell), 1906	Denton, Md.
Fielding, Franklin Roderick, B.S. (Coll. City of N. Y.), 1912, B.S. (Cornell), 1915	New York City
Flansburgh, Earl Alvah, B.S., 1915	Hoosick Falls
Fox, Daniel Scott, B.S., 1913	Prattsburg
Fraser, Allan Cameron, B.S., 1913	Buffalo
Fraser, Robert Stewart Menzies	Plandome
Freda, Francis Joseph, B.S., 1915	Ithaca
Frederick, William Arthur	Ithaca
Free, James Fisher	Brooklyn
Freed, John Melvin, A.B. (Muhlenberg Coll.), 1915	Pekasie, Pa.
Friedman, William Frederick, B.S., 1914	Pittsburgh, Pa.
Frost, Stuart Ward, B.S., 1915	Tarrytown
Gabe, Angel	Tirnov, Bulgaria
Gamble, Dean	Elmira
Gavin, Joseph Samuel Leo	Buffalo
Gillette, John Westfield, Jr., A.B. (Williams), 1914	Hudson
Graham, Samuel Alexander, B.S. in F. (Univ. of Minn.), 1914	Minneapolis, Minn.
Greenberg, Morris	New York City
Greenberg, Samuel	Brooklyn
Greene, Stanley Smith	Hancock
Guise, Cedric Hay, B.S., 1914	Findlay, O.
Gutsell, James Squier, A.B., 1911	Ithaca
Haibloom, Abraham Samuel	New York City
Haman, Miles Bertine, B.S., 1915	Reading, Pa.
Hancy, Anna Jane, A.B., 1912	Hayts Corners
Hardenburg, Earle Volcart, B.S., 1912, M.S. in Agr., 1915	Brocton
Harriman, Chester Karl	Exeter, N. H.
Hartzell, Albert	Lebanon, Pa.
Harvey, Lew Ellsworth, B.S., 1914	Marathon
Hatch, Duane Spencer, B.S. 1915	Greenwich
Heinicke, Arthur John, B.S. in Agr. (Univ. of Mo.), 1913, M.A. (same), 1914	Ithaca
Hendricks, Harold Davis, A.B. (Wabash), 1914	Jamestown, Ind.
Hetherington, Lyster Meadows	East Orange, N. J.
Heuser, Gustav Frederick, B.S., 1915	Buffalo
Hoffman, William Albert	New York City
Hogan, Agnes Cecelia	Ithaca
Hopkins, Edwin Fraser, B.S., 1915	Buffalo
Horton, Harding Fred	North White Lake
Hottes, Alfred Carl, B.S., 1913, M.S., in Agr. 1914	Ithaca
Howgate, Henry Otis	Greenwich, Conn.
Huelsen, Walter August	Brooklyn
Hughes, Ruby Beatrice, A.B. (Ohio Western Coll.) 1911, A.M. (Cornell), 1915	Gurnee, Ill.
Irish, Harold Enos	Auburn
Jokel, Julius	New York City
Kenerson, Albert Scott, B.S., 1915	Buffalo
Kephart, Lucy Wheeler	Ithaca
Kilpatrick, Milligan Clarence	Valencia, Pa.
Kilpatrick, Ellis Lore, B.S. Agr. (Iowa State), 1914	South England, Iowa
Knowlton, Harry E., B.S. (Mich. Agr. Coll.) 1912	Fennville, Mich.
Koch, Catharine Elizabeth, B.S. (Mich. Agr. Coll.), 1909	Gowanda
Krohn, Ralph	Utica
Kyser, Kathryn Belle, A.B., 1907, A.M., 1908	Syracuse
Lackie, Harry Mervyn, B.S. in Ag. Ed. (Iowa State), 1915	Bradford, Ill.
Landres, Arnold Gregory	New York City
Lattanzi, Julius Caesar	New York City
Lauritzen, John Irwin, B.S. (Utah Agr. Coll.) 1913	Moroni, Utah
Lawrence, Raymond Elliott	Cleveland, O.
Leathers, Adelbert Llewellyn, Ph.B. (Wesleyan Univ.), 1907	So. Orrington, Me.
Leith, Benjamin Donald, B.S. (Univ. of Wis.) 1911	Madison, Wis.
Leonard, Mortimer Demarest, B.S., 1913	Brooklyn
Liu, Cheng-lin	Hanyang, China

Loddell, Richard Nugent, B.S. (Miss. Ag. & Mech. Coll.), 1910, M.S. (same), 1912	Rosedale, Miss.
Luther, Thomas Frederick	Mechanicville
MacDaniels, Laurence Howland, A.B. (Oberlin), 1912	Oberlin, O.
MacIntine, Walter Hoge, B.S. (N. C. A. & M. College), 1905, M.S. (Penn. State) 1909	Wilmington, Del.
McKiernan, William Aloysius	Brooklyn
McKinney, John Carl	Cortland
Mailler, James Russell	Mountainville
Maloy, Thomas Patrick, B.S., 1915	Rochester
Mardfin, Emile	New York City
Margulis, Abraham Bernard	New York City
Mead, Loren Joseph	Santa Ana, Cal.
Meade, DeVoe, B.S. (Penn. State), 1911	Ithaca
Millen, Frederic Hartwell, B.S., 1915	Newton, N. J.
Millen, Mabel Gertrude Beckley, B.S., 1915	Trumansburg
Miller, Fred High	Reading, Pa.
Millman, Joseph	Brooklyn
Minnick, Jennie Theresa	Boston
Misner, Edward Gardner, B.S., 1913	Dairyland
Muckle, Leo Augustine	Stanley
Muesebeck, Carl Frederick William	Brockport
Mullen, Richard Theodore	New York City
Musgrave, George Wallace, B.S., 1915	Scranton, Pa.
Myers, William Irving, B.S., 1914	Lowman
Nanz, Ralph Simpson, B.S., 1912	Brooklyn
Noback, Gustave Joseph	New York City
Noyes, Alice Ayr, B.A. (Mt. Holyoke), 1907, A.M. (Cornell), 1913	Haverhill, Mass.
Oswald, Charles Louis	Keuka Park
Overholser, Earle Long, B.S. in Agr. (Univ. of Mo.) 1913, M.A. (same) 1914	Harrisonville, Mo.
Peacock, Walter Miller, B.S., 1913	Deerfield, N. J.
Perry, Arthur Cecil Fox, C.E. (Columbia) 1908	New Brighton
Phillips, Laverne Samuel	Mayville
Ping, Chih, B.S., 1913	Kaifeng, China
Pollock, Curtis Halsted, A.B. (Fargo Coll.), 1912, B.S.A. (N. D. Agr. Coll.), 1914	Fargo, N. D.
Powell, Henry Raymond	Hempstead
Purdy, Dorman Steele	Ithaca
Putney, Charles Milton	New York City
Reidy, Margaret Mary, A.B., 1908	Ithaca
Richmond, Edward Avery, B.S. (Dartmouth), 1912	Brockton, Mass.
Ries, Victor Heinrich, B.S., 1915	Ithaca
Rimoldi, Frank Julius	West New Brighton
Robson, Joseph William	Hall
Roper, Frank Adams	Owego
Rosen, George Julius	Brooklyn
Rosenberg, Jacob	Brooklyn
Roth, William Reinhard	Varysburg
Routh, Joseph Phelan	New York City
Row, Glen George	Maple View
Ruckes, Herbert	New York City
Rudolph, Jean Henry	Essex Falls, N. J.
Saddler, Frank, Jr.	New York City
Sanford, Raymond Prior	Ithaca
Saunders, Helen Elizabeth	Brooklyn
Schleicher, Francis Grant von Magius	Long Island City
Schradiack, Henry Edward	Brooklyn
Scofield, Jay Douglass	Candor
Seulke, Karl John, B.S. (Purdue Univ.) 1913, M.S. (Penn. State), 1914	Ithaca
Sherwood, Florence Kathryn	Freeville
Shiren, Nathan	New York City
Shultz, Abraham	Brooklyn
Slinkard, Edmund Tripp	Brooklyn
Smith, Charles Orchard	Wooster, O.
Smith, Roger Cletus, A.B. (Miami), 1911, A.M. (Ohio State), 1915	Ithaca
Spamer, George Adam, B.S., 1915	New York City
Stults, Herbert Milton	Brooklyn
Sunball, Henry Rogers	Ransomville
Taylor, Gilbert Morris	St. Paul, Minn.
Thomas, Cecil Calvert, A.B. (Wabash), 1912, A.M. (same), 1913	Ithaca
Thurston, Arthur Searle, B.Sc. (Mass. Agr. Coll.), 1914	Amherst, Mass.
Tinkham, Edward Ilsley	Upper Montclair, N. J.
Trask, Warren Ira	Ithaca
Trax, Davis Lewis	Oil City, Pa.

Tsou, Ping Wen

Soochow, China

Van Dusen, Leslie Barden

Rockville Center

Vick, Harry Elias, B.S. (Bethel College), 1905, M.S. (same), 1906

Louisville, Ky.

Weissman, Sarah Lalla

Moscow, Russia

White, Earl Archibald, B.S. (Univ. of Ill.), 1908, M.S. (Univ. of Wis.), 1913

Antioch, Ill.

Wiggins, Roy Glen, B.S. in Agr. (Univ. of Mo.), 1914

Columbia, Mo.

Willett, Meyer

New York City

Wilson, Stuart

Ithaca

Woodward, Lacey Howard

Union

Woolf, Henry Solomon, B.Sc. Agr. (Univ. of Ill.) 1915,

Potchefstrassm, Transvaal

Woolston, William Dan

Pittsford

Zimm, Louis Arthur

New York City

Summary by Colleges

GRADUATE SCHOOL	411	411
COLLEGE OF ARTS AND SCIENCES		
Candidates for A.B. Class of 1916.....	261	
Class of 1917.....	238	
Class of 1918.....	311	
Class of 1919.....	341	
Candidates for B.Chem. Class of 1916.....	37	
Class of 1917.....	45	
Class of 1918.....	55	
Class of 1919.....	58	
Special Students.....	8	1354
	—	
COLLEGE OF LAW		
Class of 1916.....	55	
Class of 1917.....	42	
Class of 1918.....	58	
Class of 1919.....	77	
Special Students.....	3	235
	—	
MEDICAL COLLEGE		
New York City Class of 1916.....	31	
Class of 1917.....	31	
Class of 1918.....	33	
Class of 1919.....	30	
Special Students.....	32	
Ithaca Division Class of 1919.....	29	
Special Students.....	3	189
	—	
VETERINARY COLLEGE		
Class of 1916.....	31	
Class of 1917.....	35	
Class of 1918.....	81	
Class of 1919.....	5	152
	—	
COLLEGE OF ARCHITECTURE		
Class of 1916.....	30	
Class of 1917.....	33	
Class of 1918.....	32	
Class of 1919.....	38	
Class of 1920.....	15	
Special Students.....	12	160
	—	
COLLEGE OF AGRICULTURE		
Class of 1916.....	296	
Class of 1917.....	353	
Class of 1918.....	395	
Class of 1919.....	433	
Special Students.....	106	1583
	—	
COLLEGE OF CIVIL ENGINEERING		
Class of 1916.....	93	
Class of 1917.....	109	
Class of 1918.....	73	
Class of 1919.....	127	
Class of 1920.....	28	
Special Students.....	2	432
	—	

SIBLEY COLLEGE OF MECHANICAL ENGINEERING

Class of 1916.....	192	
Class of 1917.....	188	
Class of 1918.....	223	
Class of 1919.....	262	
Class of 1920.....	53	
Special Students.....	6	924

Total number of students, deducting for names counted twice (24)..... 5416

Geographical Summary

New York 3362	Vermont 18	Alabama 5	Turkey 3
Pennsylvania 373	Delaware 18	Florida 5	Equador 3
New Jersey 326	Georgia 16	Oklahoma 5	Peru 2
Ohio 173	Colorado 16	Mississippi 4	Germany 2
Illinois 133	Utah 16	Arkansas 4	Argentina 2
Connecticut 87	Kentucky 14	Idaho 3	India 2
Massachusetts 82	North Carolina 13	New Mexico 2	Salvador 2
Maryland 70	West Virginia 13	Wyoming 1	Hungary 1
Missouri 63	Louisiana 11	Nevada 1	Chili 1
D. of Columbia 55	Oregon 11	China 46	Canal Zone 1
Indiana 39	Maine 11	Porto Rico 16	France 1
Michigan 35	New Hampshire 11	Hawaiian Is. 15	Venezuela 1
Wisconsin 30	Kansas 10	Canada 15	Norway 1
Texas 27	Washington 9	Cuba 13	Switzerland 1
Minnesota 26	Rhode Island 8	Brazil 7	Greece 1
Virginia 26	South Carolina 7	Philippine Is. 6	Colombia 1
Tennessee 25	Arizona 6	Mexico 7	England 1
Nebraska 24	Montana 6	Russia 4	Austria 1
California 22	South Dakota 5	South Africa 4	Dominican Rep. 1
Iowa 18	North Dakota 5	Japan 1	Panama Rep. 1

ADDITIONAL ENROLIMENT

Third Term in the College of Agriculture, June-September, 1915.....	108
University Summer Session (including Summer School in Agriculture).....	1509
Winter Courses in Agriculture, 1915-16.....	425

Total Registration by Years from the Opening of the University

1868, 412	1877, 529	1886, 829	1895, 2057	1905, 4122
1869, 563	1878, 505	1887, 1022	1896, 2105	1906, 4225
1870, 609	1879, 463	1888, 1229	1897, 2120	1907, 4465
1871, 597	1880, 399	1889, 1329	1898, 2543	1908, 4859
1872, 539	1881, 384	1890, 1390	1899, 2766	1909, 5194
1873, 509	1882, 405	1891, 1670	1900, 2980	1910, 5624
1874, 532	1883, 447	1892, 1883	1901, 3293	1911, 5848
1875, 542	1884, 575	1893, 2040	1902, 3457	1912, 6315
1876, 561	1885, 649	1894, 2042	1903, 3423	1913, 6496
			1904, 3841	1914, 6891

STUDENTS IN THE UNIVERSITY SUMMER SESSION, 1915

Including the Summer School in Agriculture

*Indicates Summer School in Agriculture.

†Indicates registration also in the Graduate School.

‡Indicates Summer Session and Summer School in Agriculture.

Abbey, James Frank	Cincinnati, O.
Abbott, Clark Daniel	Ashland, Mass.
Abbott, George Maurice	Weston, Mass.
Abbott, Robert Duane	Elmira
Aber, Floyd J.	Hammondsport
Acker, Emma	Paducah, Ky.
Adams, Annie Alvira	North Attleboro, Mass.
†Adams, Arthur J.	Lockwood
Adams, George Faunce	Fortress Monroe, Va.
Adams, Maebelle, A.B. (Radcliffe), 1909	Swampscott, Mass.
Adams, Victor, 3d	Little Falls
Addams, William, jr.	Cynthiana, Ky.
*Adriance, Edwin Holmes	Hudson
†Agard, Bertha, A.B., 1910	Trumansburg
*Agnew, Anna Eliza	Mayfield
*Ahern, Gertrude May	New York City
*Akerly, Annie Eva	Brooklyn
Akerly, Maud, B.A. (Adelphi), 1908	Brooklyn
Alcacer, Ismael S., A.B. (Nat. Coll. Arg. Rep.), 1908	Buenos Aires, Arg. Rep.
Alexander, James Ritchie, jr.	Brooklyn
Alexander, Lawrence Handley	Jackson, O.
*Allan, Kenneth Thompson	White River Junction
Allbright, John Glover	Chicago, Ill.
Allen, Albert Gillis	Salisbury, Md.
Allen, Margaret May, A.B. 1906	Ithaca
Allen, Walter Kendall	Salisbury, Md.
Allman, Druard Nunez	Philadelphia, Pa.
Alspach, Evelyn Marguerite	Philadelphia, Pa.
†Anderson, Elsie Osborne	Crawfordsville, Ind.
*†Anderson, Harry Warren, A.B. (Wabash), 1907, A.M. (same) 1910	Crawfordsville, Ind.
Appleby, John Lockman	Glen Cove
Armas, Aquiles	Trujillo, Peru
Armstrong, Henrietta Marie	Sparrows Pt., Md.
Arrison, Fannie B.	Charleroi, Pa.
Armington, Ralph Stanley	Brooklyn
Artman, Elmer Huggins	Leroy
Atkinson, Florence Harriette	Brooklyn
Au, Sydney Siu-On	Canton, China
*Aufenger, Richard	Brooklyn
Auker, Hazel May	Mifflintown, Pa.
Averill, Lloyd Bernard	Worcester, Mass.
Babb, Florence Mary	Fitchburg, Mass.
Babcock, George Sanford	Northport
*Bachman, Edna Gertrude	Hazleton, Pa.
Bachtell, Charles Winfield	Washington, D. C.
Bahn, Carl Edward	Syracuse
*Bailey, Elmer James, Ph.B. (Univ. of Rochester), 1894, Ph.M. (same), 1897, A.M. (Hamilton), 1905, Ph.D. (Cornell), 1909	Ithaca
Bailey, Mildred Louise	South Dartmouth, Mass.
*Baird, Helen Pauline, A.B. 1899, Pd.B. (N. Y. State Coll.), 1909	Basom
Baker, Andrew Alvord	Freeville
Baker, Elbert Curtiss, A.B., 1915	Easton, Pa.
*Baker, Roland Sears	Brooklyn
Baker, Walter	Jena, La.
Baldwin, Dane Lewis, A.B. (Cornell), 1909, A.M. (Yale) 1910	Groton
Baldwin, Roger Olin	Ithaca
Ball, Thomas Fauntleroy, B.S. (Univ. of S. C.), 1915	Biltmore, N. C.
Ball, William Hudson	Muncie, Ind.
Ballard, William Cyrus, jr., M.E., 1910	Baltimore, Md.
Balser, Lewis Fishburn	Harrisburg, Pa.
Banks, Josephine	Ithaca
*Barclay, Margaret Ethel, A.B. (Adelphi), 1906, A.M. (Cornell), 1908	Brooklyn
Barford, George Frederic	Hamilton
†Bargar, Mary Alice, A.B. (Syracuse), 1910	Jamestown
Barker, Ethel	Ithaca
Barndt, Hester Heling	Catawissa, Pa.
Barnes, Frederick Livingston	Syracuse
Barr, Joseph Sydney	Ithaca

- †Barringer, Benton Elwood
 Barrington, Edmund Shultz
 Barsky, Edward Koenigsohn
 Bartholomew, Robert Andrew
 *Bartlett, Ethel Good
 Bartow, Marjorie Loretta
 *Barwick, Henrietta Josephine
 Bason, George Francis B.E. (No. Car. A. & M. Coll.), 1908
 Bates, Grace Margaret, A.B. (Normal Coll. N. Y. City), 1901
 †Bath, Anna Mabel, B.A. (Adelphi), 1914
 Bauer, Mary Elizabeth
 Baumbach, Marianne Franzisca
 Bausch, Helene
 Baxter, Florence
 Beals, Helen
 Beam, James Blain
 Beaman, Mildred Farley
 *Bean, Russell Brewer
 *Beckers, Charles Louis Alexander
 Beecher, Weltha Josephine
 Beers, Albertson Seckendorff
 *Behnken, Erna Lucie, B.S. (Columbia), 1915
 †Behnken, Henry Emile, A.B. 1904, A.M. 1912
 Behr, Leo
 *Behrends, Frederick Gardner
 *Beiermeister, James
 Bell, Caroline Victoria
 Bell, Mabel Mary
 Beller, Jerome Harold
 *Benson, Martha Phila
 Bent, Hazel Florence
 Berkemeier, Mary Lena, A.B. (Vassar), 1913, A.M. (Univ. of Wis.), 1914
 Bernd, Blanche
 *Bernhardt, Isidor Harold
 Bernstein, Frieda May
 Bertran, Juan Manuel
 *Bessier, Ruth
 Best, Gerald Martin
 *Betsch, William Carter
 †Betts, Alice Knighton, B.A. (Mt. Holyoke), 1904
 Bibighaus, Harriet Elizabeth
 Biederman, William
 Biggs, Carl Hathaway
 Bischoff, Frances, A.B. (Mt. Holyoke), 1910
 Bishop, Sherman Chancey
 Bissell, Chester Wright
 Black, Foster
 *Blackman, John Williams, jr.
 Blackman, William Jackson
 Blair, Adah
 Blair, William Mitchell
 *Bland, Laura J.
 †Blank, Margaret Elizabeth, B.A. (Adelphi), 1914
 Blanpied, Ethel Olive
 Bleiman, Gladys Katherine
 Bligh, Julia Morum, A.B., 1902
 Bliven, Sophia Washington
 Bloch, Louis
 *Blodgett, Mary Catherine
 *Blodgett, Warren Kendall, 2d, A.B. (Harvard), 1911
 †Blumgarten, Sara Lilian, A.B. (Barnard), 1912
 Boggs, Alice Laura, A.B. (Oberlin), 1913
 Bonaguro, Alphonse
 Boring, Lydia Truman, A.B. (Bryn Mawr), 1896
 Bost, Clarissa Marion
 Boswell, Foster Partridge, A.B. (Hobart), 1901, Ph.D. (Harvard), 1904
 *Bosworth, Lloyd Athel
 Boughner, Jane Irene
 Bourn, Jessie Mildred, A.B. (Mt. Holyoke), 1907
 Bovee, Edie
 Bowen, George Washington
 Bowen, Katharine Gertrude
 *Bowerman, Etta Adele, A.B. (Univ. of Mich.), 1910
 Bowes, Lillis Barlow
 Bowman, Alfred William
 Bowman, Florabelle Buehrle
 Bowman, Marian Rose, A.B., 1901
 *Boyd, Martha Jane, B.A. (Hon.) (Queen's Univ.), 1914
 Boyer, Charles Augustine
 *Boyle, Cecile Vertillee
 Boynton, Barbara
 Caneadea
 St. Louis, Mo.
 Brooklyn
 Ames, Iowa
 Pleasantville, N. J.
 Buffalo
 New York City
 Badham, S. C.
 New York City
 New Brighton
 Hooker, O.
 Pittsburgh, Pa.
 Brooklyn
 White Plains
 Worcester, Mass.
 Easton, Pa.
 Ithaca
 Ithaca
 Fire Island Beach
 Atlanta
 South Norwalk, Conn.
 Brooklyn
 Brooklyn
 Brooklyn
 Brooklyn
 Troy
 Ithaca
 Buffalo
 Brooklyn
 Massena
 Wabash, Ind.
 Poughkeepsie
 Lansdale, Pa.
 Brooklyn
 Spring Valley
 Humacao, Porto Rico
 Ithaca
 Port Jervis
 Yonkers
 Towanda, Pa.
 Glenside, Pa.
 New York City
 Ithaca
 East Orange, N. J.
 Clyde
 Brooklyn
 S. Norfolk, Va.
 New York City
 Brooklyn
 Duquesne, Pa.
 Chicago, Ill.
 New York City
 Brooklyn
 Tompkinsville
 New York City
 Warsaw
 Buffalo
 Hartford, Conn.
 Rushville
 Middleton, Mass.
 New York City
 Marathon
 Brooklyn
 Philadelphia, Pa.
 Pittsburgh, Pa.
 Geneva
 Geneva
 Hazleton, Pa.
 Springfield, Mass.
 Washington, Iowa
 Wilkes-Barre, Pa.
 Buffalo
 Scottsville
 Canastota
 Pittsburgh, Pa.
 Lancaster, Pa.
 Gouverneur
 New York City
 Lebanon, Pa.
 Hazleton, Pa.
 Ithaca

Bradford, Paul	Ithaca
*Bradley, George Hirst	Hornell
Brandes, George Henry	Oswego
Brandt, Florence Marguerite	Lewiston, Pa.
Breckinridge, Clifton Rodes, jr.	Fort Smith, Ark.
Breitwieser, Olive Clara	Buffalo
Brenner, Lula Ann	Ithaca
Brewm, James D., B.S., 1912	Geneva
*Brew, Lucy Bergen	Geneva
*Brewer, Sarah Lucile, B.S. (Mont. State Coll.), 1909	Gordon, Neb.
Breeze, Elizabeth Lenita, A.B. (Vassar), 1911	Saratoga Springs
*Briggs, Mead Greacen	Brooklyn
Bright, Michael Carnahan	Superior, Wis.
Broad, Mabel	Honesdale, Pa.
*Brodie, William Peter, B.S. (Purdue), 1911	Bergen
*Brooks, Frederic Day	Ithaca
*Brooks, Howard Freeman	Almond
Brothers, Catharine Lovina	Knox, Pa.
Broughton, Rose Capitola	Ithaca
*Brown, Ida Frances	Brooklyn
*Brown, Jessie Breeze	Brooklyn
†Brown, Martha Avery, B.S., 1893	Chicago, Ill.
*Brown, Mary Alice	Brooklyn
Brown, Stanley Fred, M.A. (Colby), 1914	Waterville, Me.
Brown, William Jean	Mehoopany, Pa.
Browne, Frederick Lincoln	New York City
Browning, Robert Abraham	Buffalo
Browning, Val Allain	Ogden, Utah
Brush, Dora Mae	Washington, Pa.
*Bryan, Mary McIlvaine, A.B. (Washington Univ.), 1896, A.M. (same), 1915	Bronxville
Bryant, Robert Charles	Binghamton
Bryce, Thomas Francis	Newark, N. J.
Buchler, Anna Marie	Jersey City, N. J.
†Bucknam, Emma Louise, B.A. (Wellesley), 1909	Unadilla
Bunnell, Leila May	E. Stroudsburg, Pa.
Burdick, Mabel Gray, A.B. (Wellesley), 1906, A.M. (Columbia), 1907, Master's Dip. (Teacher's Coll.), 1907	Stapleton
Burgard, Howard Alfred	Buffalo
Burgard, Willard Henry	Buffalo
*Burgdorf, Ada Belle, B.A. (Geo. Wash. Univ.), 1906	Washington, D. C.
Burgunder, Bernard Frank	Wilkes-Barre, Pa.
Burke, Anna Alacoque	Brooklyn
Burke, Lulu Helen	Brooklyn
Burke, Walter Raymond	Scranton
*Burlage, Stanley Ross	Fredonia
Burns, Helen C.	Ithaca
Burrowes, Catherine, B.A. (Wellesley), 1887	Keyport, N. J.
Bush, Howard Jackson	Gloversville
*Bushnell, Emma Helen, B.S. (Waynesburg), 1889	Chattanooga, Tenn.
Bustard, Dorothy, A.B., 1913	Margate City, N. J.
*Button, Dorothy Markham	Canastota
*Button, Gertrude MacCartney	Canastota
Butts, Marie Lucile	Brunswick, Ga.
Butz, Louise Mary	Philadelphia, Pa.
Cable, Jo Harnly	Lima, O.
Cady, Stanley Hurlbutt	Spencerport
Cahen, Harold Arthur, A.B., 1913	New York City
Caldwell, Henry Wallace	Oak Park, Ill.
Calkins, Donald Franklin	N. Tonawanda
Campbell, Emily Alva	Philadelphia, Pa.
Campbell, Lidie Greer	Philadelphia, Pa.
Canan, Nancy	Hershey, Pa.
Capen, Louise M.	Brooklyn
Carlson, Anna Theresa	New York City
Carmalt, Helen Amelia	Brookville, Pa.
†Carman, Luanna Mattison, A.B. 1911, B.S., 1913	Ithaca
*Carolyn, Anna Benedicta, B.A. (Adelphi), 1908	Brooklyn
Carr, Charles McLean	St. Louis, Mo.
Carrick, Mary Stephens, A.B. (Meredith Coll.), 1907	High Point, N. C.
*Carter, Margaret May, Ph.B. (State Nor.), 1907	Hubbardsville
Cassel, Fanny Elizabeth	Pine Grove, Pa.
Caswell, Anne Taylor, B.A. (Wellesley), 1911	Norton, Mass.
Caufield, Bessie Mary	Honesdale, Pa.
Clelbar, Ann Cecelia	Pittsford
Chapelle Isaac Avery	Byron Center
Chao, Kuo Tung	Tientsin, China
Chapin, Leila, A.B. (Smith), 1911	East Bloomfield
Chapin, Stuart Lyle	Oneida
Chase, Amos Prentice	Norwich, Conn.
†Chase, Florence Glencie	Derby, Conn.

- Chavin, Raphaël
 Chen, Cheng-Sze, B.A. (Fuhtan Coll.), 1910
 Chew, Georgie
 †Childs, Virginia Louise
 Chisolm, Emilie Mann
 Cho, Wen Yueh
 Chu, Hsi-ching
 †Church, Madeline Kingsley
 Churchell, Alice
 Churchell, Ella
 Cianchini, Luis Felipe
 *Clark, Albert Rankin, LL.B. (Nat'l Law School), 1901
 *Clark, Anna Whitman, A.B. (Vassar), 1898
 Clark, Anson Luman, M.E., 1914
 Clark, Laura Sophronia, A.M. (Columbia), 1904
 Clark, Marion Almeda
 Clark, William Jerome, jr.
 Clary, Francis Joseph
 *†Clauser, Herbert Cleaver, B.S. (Albright), 1912
 Cleary, Martin Joseph
 Cleeves, Henry White
 Clinton, Charles Lewis
 Cochran, Fannie Helena
 Cockcroft, Katharine Emily
 *Cocks, Dorothy Feeks, A.B. (N. Y. Nor. Coll.), 1913
 Coelho, Germano Sampaio
 Cofield, Esther Harriet, Ph.B. (Syracuse), 1911
 *Cogswell, Grace
 Colburn, Rexford Davis, Mus.B. (Syracuse), 1913
 †Coleman, Edith, A.B. (Smith), 1910
 *Coleman, Roland Warner
 Colgan, Marion E.
 *Collamore, Earle Read
 Collins, Mary Mathias
 *Collins, William Levi
 Congdon, Clem Harris
 *Conger, Esther Seabury
 Conger, Jay, jr.
 Conklin, Cecile E.
 Conley, William Murray
 Connolly, Etta Genevieve
 Connor, Dorothy Enid
 †Connor, Margaret J.
 Conrad, Basil Warner
 Conradi, Elsa Sophie
 *Cook, Annie, B.S. (I. H. & C. Columbus, Miss.), 1911
 Cook, Della Beatrice
 Cook, Helen Isadore
 Cook, Harold James
 †Cooper, Ellis Bush, B.Chem. 1913
 Corcoran, Elizabeth Miles, A.B. (N. Y. C. Nor.), 1901
 *Cordes, Anna
 *Corker, Henry D.
 Cornwell, Ralph Thomas Kline
 Cortright, Ruth
 da Costa, Oscar Machado
 *Costello, Alice Margaret, B.S. (Conn. Agr.), 1914
 Costello, Ruth Regina
 Couchman, William Venning
 Coughlin, Nan Silvia
 Coughran, Edwin Knowlton
 Courant, Juliette MacMonnies
 *Coutinho, Ramiro da Cunha
 *Covert, Beulah
 Craig, John Welsey
 Craig, Joseph Eddy Gillingham
 Cramp, Carrie May
 Crampton, Carl Clifford
 †Crandall, Daniel Phillips, B.S., 1915
 *Crane, Leila
 †Crane, Mildred French
 †Craugh, Joseph Patrick, A.B. (Holy Cross), 1914
 *Crawford, Amanda Myrtilla
 Crawford, Anna Nicholson
 Crawford, Janet Monroe, A.B. (Beaver Coll.), 1909
 Creager, Paul Snyder, A.B. (Penn. Coll.), 1913
 Crittenden, Janet, B.A. (Univ. of Mich.), 1912
 Cropsey, Jacques Van Brunt
 *Cross, Josephine G.
 Croucher, Altus Potter
 *Crowell, Edna Louise, A.B. (Radcliffe), 1905
 New York City
 Foochow, China
 Clayton, N. J.
 Highland, Md.
 Huntington, Pa.
 Macao (Seaport), China
 Philadelphia, Pa.
 Ithaca
 Nevada, Mo.
 Nevada, Mo.
 Coamo, Porto Rico
 Ithaca
 Binghamton
 Chicago, Ill.
 Northampton, Mass.
 Elgin, Ill.
 Chicago, Ill.
 Seneca Falls
 Reading, Pa.
 Ithaca
 Meadow Brook
 Philadelphia, Pa.
 Dresden, O.
 Upper Troy
 Lynbrook
 Sao Paulo, Brazil
 Moscow
 Albany
 Addison
 Scranton, Pa.
 Piermont
 Pittsford
 Providence, R. I.
 Mahanoy City, Pa.
 Earlville
 Oak Lane, Pa.
 Cooperstown
 Groton
 Brooklyn
 Ithaca
 Stapleton
 Trumansburg
 Rochester
 Harford
 Baltimore, Md.
 Hattiesburg, Miss.
 Ithaca
 Bluffton, Ind.
 Schenectady
 Ithaca
 New York City
 Brooklyn
 New York City
 Northumberland, Pa.
 Shickshinny, Pa.
 Rio de Janeiro, Brazil
 Storrs, Conn.
 Jessup, Pa.
 Brussels, Belgium
 Westmoor, Pa.
 Akron
 Brooklyn
 Para, Brazil
 Brooklyn
 Portland, Me.
 Rosemont, Pa.
 Hanover, Pa.
 Somerset, Md.
 Kendall
 Addison
 Philadelphia, Pa.
 Penn Yan
 Buffalo
 Brooklyn
 Beaver, Pa.
 Gettysburg, Pa.
 Mt. Clemens, Mich.
 Brooklyn
 Gowanda
 Newark, N. J.
 Brooklyn

*Culver, Floris Slosson	Eau Claire, Wis.
*Culver, H. Elizabeth	Amenia
Cummings, Grace Darling, A.B. (Syracuse), 1913	Brushton
Cunneen, Wallace Vincent	Port Jervis
*Curley, Catharine Marie	Brooklyn
†Curtis, Dorothy	Harrington Park, N. J.
*Curtis, Howard Joseph	Deposit
Cushing, Pauline	Boston, Mass.
*Daggett, Edith Louise	Brooklyn
Dale, Gladys Ann	Buffalo
*Daley, Dorothy	Brooklyn
Daly, Walter Philip	Olean
Daniels, John Alden	Buffalo
*Daniels, Mary Esther, A.B. (Barnard), 1908	New York City
Daniels, Olive	Fillmore
Dann, Arthur John, Ph.B. (Grove City Coll.), 1911	Uniontown, Pa.
Dann, Jennie Lee	Monticello
Davidson, Beatrice	Brooklyn
Davies, Robert William	Monessen, Pa.
Davis, Bella Carter	Phoenixville, Pa.
Davis, Florence Elizabeth	Arcade
*Davis, Leila May	Troy
*Davis, Sara E.	Philadelphia, Pa.
Day, Isabelle M.	Lynn, Mass.
Dean, Hazel Axline	Lima, O.
†DeCoster, Cleora Matenah	Buckfield, Me.
Degenring, Elsie	Elizabeth, N. J.
DeGroat, Wilson Fields	Nichols
De Land, Dorothy Eastman	Fairport
De Lano, Ruth	Buffalo
Dempsey, Mary Veronica, A.B. (Geo. Wash. Univ.), 1912	Washington, D. C.
*Dennelly, Walter	Great Neck Station
*De Wyse, Lillian Caner	Brooklyn
Depue, Marie Ayres	Philadelphia, Pa.
Derham, Joseph John, jr.	Rosemont, Pa.
*Derleth, Mabel Edna, B.A. (Hunter Coll.), 1913	New York City
*Desson, Leonard Joseph	Troy
†Deutsch, Ethel Eleanor	New York City
*Deutsch, Gertrude Enwyn	New York City
†De Vany, Norma	Ellenville
DeWire, Lee Frederick	Dorloo
*Dexter, Agnes Tisdale	Charlottesville, Va.
†Dickey, Samuel Scott, B.S. (Waynesburg Coll.), 1915	Waynesburg, Pa.
*Dickson, Agnes Spiers	Unadilla
Dickson, Helen Kathryn	Angelica
*Diekmann, Frieda	Brooklyn
*Diekman, Minnie	Brooklyn
Dilks, Clara Gilbert, A.B., 1904	Philadelphia, Pa.
Dixon, Edna Augusta	Washington, D. C.
*Doane, Harold Seeley	Pittsford
Dobbs, Albert Blake	Ithaca
Dodge, Rosamond Mercereau, B.S. (Elmira), 1915	Waverly
Dolin, Margaret Mary	Utica
Donovan, Ignatius Benedict	Richmond Hill
Donovan, Joseph Raymond	Richmond Hill
Dornbach, Earle Eugene Rolland	Mechanicsburg, Pa.
Dorsey, Daniel Ambrose	Ithaca
Dougan, Edward Hartley	New York City
*Drake, Lloyd Benjamin, Ph.B. (Adrian), 1910, A.B. (Cornell), 1915	Erin
Drescher, Theodore Bausch	Rochester
Driscoll, Cecilia Catherine	Ithaca
Driscoll, Clare	Ithaca
Driscoll, Rose Elizabeth	Ithaca
Duffy, Louise Van Ness, A.B. (Smith), 1906	West Hartford, Conn.
Duffy, Ward Everett, B.S. (Trinity Coll.), 1915	West Hartford, Conn.
*Dunn, Lawrence Henry	Ovid
*Dupré, Edna M.	Brooklyn
Durfey, Clayton Ralph	Ithaca
*Earl, Jennie Maria	Syracuse
Ebersole, Chapman	Cincinnati, O.
*Edgerton, Claude Heath	Ithaca
*Edminster, Frank Custer, A.B., 1902	Ithaca
*Edminster, Frank Custer, jr.	Ithaca
*Edminster, Ida	Ithaca
Edmunds, Robert Curliss	Denver, Col.
†Edson, Laurence Dunbar	Philadelphia, Pa.
Edwards, Alice	Glens Falls
Eggleston, Jere Dudley	Meriden, Conn.
Ehlers, Louise Catherine	Philadelphia, Pa.

Ehlers, Charlotte Rebecca Louise, Ph.B. (Lebanon Univ.), 1911

Eisenbeis, Herbert Oscar

*Eisler, Camilla

Elliott, Rebecca Patton

Ellis, Bertha Maude

Emanuel, Victor

Emery, Orris Burdette, B.S. (N. Y. State Coll. for Teachers), 1914

Emory, Mary Annette

Entwisle, Clare

English, Gwendolen

Eppleur, Charles, jr.

Ertman, Vincent Albert

*Erts, George Walter

Erwin, George Lemuel, jr.

Erwin, James Thompson, jr.

Erzberger, Albertine

*Escoll, Sarah

Eskey, Elizabeth, A.B. (Wellesley), 1909

Esty, Charles Glenn

Evans, Grace Erminia

Evans, Henry Turner

Evans, Mark

Extance, William Levi, jr.

Fager, Florence

Fahy, Charles Harold

Falk, Mildred

Farnsworth, John

Farquhar, Roger Vereker

Farr, Louis Rothe

Farrow, Ruth Trask

*Faryel, Ida

Fawcett, Walter Baker, B.S. (Hamilton), 1911, M.S. (same), 1914

Fayer, Charles

†Fehr, William Henry, A.B. (Muhlenberg), 1897, A.M. (same), 1900

Feldman, Louis

Felix, Frank Chester

Felker, Priscilla Grace

*Ferguson, Jessie, B.S. (Albany Nor. Coll.), 1913

*Ferrarie, Felix

Ferguson, Llewellyn Ray, A.B., 1908

Ferrer, Francisco Jose

Ferron, Gertrude

Fielder, Thomas Herbert

Figuert, Roberta McLeod, A.B. (Col. of New Rochelle), 1912

Fillmore, Maconda Morgan

Finerty, De Francis Ambrose, D.O. (Phila. Osteo.), 1911

Fisher, Elizabeth Berger

Fisher, Katharine

Fisher, Margaret, A.B. (Wilson Coll.), 1912

†Fisher, Mary Jones, A.B. (Western Md. Coll.), 1890, A.B. (Cornell), 1906

Fiske, Frederic Ebell, A.B., 1914

Fitzelle, Albert Edward, B.S. (New York Univ.), 1911

Fitzpatrick, John Bainbridge

*Fitzpatrick, John Leo Wallace

Fitzpatrick, Philip Wright

Flaherty, Eugene Francis, B.A. (Colgate), 1911

†Flather, Alice Virginia

*Fleagle, Martha Janette

*Fleming, Edith Cuthbert

Fleming, Jane May Agnes

Fletcher, Priscella, A.B. (Columbia), 1897, A.M. (Colo.), 1907

†Fletcher, Roderick von Schrader

*Flint, Helen Rosamond Lord

Flynn, Edward James, A.B., 1909

Fogarty, John Joseph Austin

*Fonda, Lucie Gladys

Foot, Benjamin Flagler, A.B., 1913

*†Forbush, Wallace Clifford, B.Sc. (Mass. Agr. Coll.), 1913

†Foresman, Edwin Clyde, A.B. (Lafayette), 1911

Foster, Eleanor Worthington

Foster, Frances Brewster

*Foster, Hannah Louise

Foster, Henry Alden, B.S. (Univ. of Arizona), 1913

*†Francis, Irvin Torrance, A.B., 1912

†Frank, Maude Elizabeth

Franz, Fred Henry

*Franz, Julia Elizabeth

*Fraser, Bessie Grant

†Fraser, Russell Andrew

Freedman, Bertha

Greensburg, Ind.

Pittsburgh, Pa.

New York City

Philadelphia, Pa.

Lockport

Dayton, O.

Rochester

Washington, D. C.

Philadelphia, Pa.

Rochester

New York City

Herkimer

Ladleton

Kalamazoo, Mich.

Addison

Jersey City, N. J.

Brooklyn

Wheeling, W. Va.

Belleville

Lancaster, Pa.

Port Washington

Lima, O.

Brooklyn

New York City

Rochester

Buffalo

Muscataine, Iowa

Red Bank, N. J.

Detroit, Mich.

Newark, N. J.

New York City

Ridgewood, N. J.

New York City

Dushore, Pa.

New York City

Pittsburgh, Pa.

Lewiston, Pa.

Medina

New York City

LeRoy

Cons, del Sur, Cuba

Philadelphia, Pa.

Cedartown, Ga.

Tarrytown

Buffalo

Montclair, N. J.

Philadelphia, Pa.

Buffalo

Jersey City, N. J.

Denton, Md.

Kirkwood, Mo.

Yonkers

St. Paul, Minn.

Rochester

St. Paul, Minn.

Hamilton

Nashua, N. H.

Colonial Park, Md.

Ithaca

Lewiston, Pa.

New York City

Cardinal, Va.

Ithaca

Johnstown

Peekskill

Brooklyn

Lockport

Rutland, Mass.

Lawrenceville, N. J.

Troy

Montrose, Pa.

Cream Ridge, N. J.

S. Orange, N. J.

Shamokin, Pa.

Colton

Holyoke, Mass.

Brooklyn

New York City

New York City

Sea Cliff

- Freeman, Harlan Page, B.A. (Amherst), 1912
 Freeman, Paul Alfred
 Freyre de Andrade y Escardo, Juan Pedro
 *Friedmann, John Hess
 Fries, Anna Marie
 Frost, Charles Pearsall
 Fuller, Avery Edward
 *Funk, Horace Clemmer, Ph.B. (Brown), 1907
 *Galler, Emma Augusta Christena
 Galloway, Alexander Gordon
 †Gardiner, Henry Wallace, A.B. (Univ. of Mich.), 1912
 *Gardner, Chastina
 Garlick, Edith Shaw
 Garver, Paul Leslie
 *Garwood, William Henry, B.S. (Alfred), 1914
 Gates, Clifford Elwood, A.B. (Colgate), 1915
 †Gause, Angie Leah, B.E. (West Chester State Nor.), 1902
 Geiger, Martha Elizabeth
 Gemmill, Ruth
 Genung, Harold Bowman
 Genung, Ina Eloeen, Ph.B., 1891
 *Georgi, Herve Washington, A.B. (Brown), 1895
 *Geran, Eleanor
 Gerbert, Gerbert
 *Gere, Josephine May
 *Gibbs, Helen Louise
 Gibbs, Lorena Claire
 Gibbs, Stephen Bradford, D.O. (Phila. Coll. of Osteopathy), 1915
 *Gibson, Arthur Edward
 *Gibson, John Beebe, B.A. (Williams), 1915, A.M. (same), 1915
 †Giesser, Rosina Louise
 Gilcher, Ralph Jacob
 Gilkey, Eunice Willice Jackson, A.B., 1909
 *Gillette, John Westfield, jr., B.A., (Williams), 1914
 Gillette, Paul
 †Gilmer, Helen Sarah, B.S., (Univ. of Pa.), 1913
 Gilmore, Helen Frances
 Girard, Peter Fred, jr.
 *Glasser, Susie May
 Glenn, Elizabeth Aber
 Glick, Harry Naylor
 Gœbel, Maria Wilhelmine
 Gœtz, Anna Marie, A.B. (Elmira), 1912
 Goldfrank, Bertha
 Goldfrank, Fred, A.B. (Harvard), 1899, M.D. (Columbia), 1903
 Goldsmith, Marc S.
 Goldthwaite, du Val Radford
 Gonzalez, Carlos
 *†Goodwich, Joseph Ezra, B.S. (N. H. State), 1904
 †Goodsell, Marguerite, B.A. (Smith), 1908
 *Goodspeed, D. Maude
 Gordon, Harry
 Gordon, Jacob, B.S. and M.A. (N. Y. Univ.), 1906
 *Gorsuch, Gertrude Louisa
 Grabau, Elizabeth Sophie
 *Grant, Minnie Alexine
 *Gratz, Arthur, B.S. (City Coll. of N. Y.), 1904
 *Graves, Charles Hicks
 *Graves, Ella Irene, B.A. (Elmira), 1915
 Gray, Ralph Chapin
 *Green, Grace Quackenbush
 *Green, Robert Sylvester
 Green, William Stuart
 Greenberg, Henry Wolfe
 *Greenberg, Samuel
 Greene, Eva, Ph.B. (Alfred), 1914
 †Greene, Stanley Smith
 Greenwald, Charles
 Griffin, Harriet Louise
 Griffith, Erminia Arline
 Griffith, Luther Oscar
 *Grimmell, Helen Marie
 *Griswold, Grace Hall
 Gunsell, Carl
 Gutsell, Robert Squier
 *Guiles, Marion Hitchcox
 †Hadley, Charles Edward
 *Hagerty, Elizabeth Rose
 Hahn, Mary Adelaide
 *Haibloom, Abraham Samuel
 Fredonia
 Mendham, N. J.
 Havana, Cuba
 Brooklyn
 Phoenixville, Pa.
 Poughkeepsie
 Holley
 Palm, Pa.
 Brooklyn
 Ithaca
 Washington, D. C.
 Brockport
 Paterson, N. J.
 New York City
 Canaseraga
 Oneida
 Quarryville, Pa.
 Reading, Pa.
 Bogota, N. J.
 Ithaca
 Ithaca
 Los Angeles, Cal.
 Ithaca
 Washington, D. C.
 Belfast
 Ithaca
 Ithaca
 Middletown
 Brooklyn
 Waterloo
 Buffalo
 Danville, Ky.
 Ithaca
 Hudson
 Ithaca
 Philadelphia, Pa.
 Lynn, Mass.
 Plattsburg
 Delmar
 Berwick, Pa.
 Woodbine, N. J.
 Buffalo
 Elmira
 New York City
 New York City
 New York City
 Montgomery, Ala.
 Diriamba, Nicaragua
 Brunswick, Me.
 East Orange, N. J.
 Mamaroneck
 New York City
 Brooklyn
 Ford P. O., Md.
 Buffalo
 Syracuse
 New York City
 Sunderland, Vt.
 Auburn
 Honolulu, Hawaii
 Bainbridge
 Brooklyn
 Chicago, Ill.
 Flushing
 New York City
 Adams Center
 Hancock
 New York City
 New Haven, Conn.
 Little Valley
 Huntington, W. Va.
 Brooklyn
 Grand Rapids, Mich.
 Johnstown
 Ithaca
 Elmira
 Taughannock Falls
 Brooklyn
 Pittsburgh, Pa.
 New York City

Haines, Lawrence Elias
 Hale, David Clendon
 Hales, Felix Stanton, B.E. in C.E. (N. C. A. & M. Coll.), 1913
 Hall, Frank Vosburg
 Hall, Hazel May, Ph.B. (Syracuse), 1910
 Hamilton, Carrie Endslow
 Hamilton, Gretchen
 Hamm, Elsie Rachel, A.B. (Stetson), 1914
 †Hanley, Bessie Graham, B.S. (Univ. of Pa.), 1908
 Hanley, Frederic, A.B. (Univ. of Nebr.), 1912
 Hansen, Percy Millard
 Happell, Florence Effrig
 Hardman, Carney
 Hardy, Donald Egbert
 Hargleroad, Lillian Irene
 Harris, Dorothy Margaret
 Harris, Edna
 Harris, Martha
 Harrison, Allrich Scheper
 Harrison, Elizabeth Follansbee
 Harshman, Max
 Hart, Austin Sprague
 Hart, Jessie Matle
 *Hart, Lewis Raymond
 Hartman, Charles Easton
 †Harvey, Roy Newman, B.S., 1914
 †Harwell, Hettie Redford
 Hasaalum, Olivia
 Haskell, Vena Stella
 *Hastings, Irma Elizabeth
 Hausknecht, Claude Edward
 Havey, John Perry
 Haviland, Earl Wayne
 Hawkins, Mary
 Hawkinson, Elizabeth Hannah
 Haworth, Jehu Frederick
 *Hay, Theodora Elizabeth
 Hayes, Maude Smith
 Hayes, Nora Isabel
 Hazen, Leslie Eugene, B.S. Agr. (Kans. State Agr.), 1906
 Heath, Fidelia A.
 Heidt, Florence Louise
 Hedrick, Mabel
 Hendershot, Lewis Beardsley, B.S., 1914
 Henderson, Caroline Beryl
 Hendricks, Clifford
 Hendrickson, John Bertram
 Henkel, Mabel Isabel, B.S. (Purdue), 1895
 Henwood, William Jory, B.A. (Coll. City of N. Y.), 1892
 Hetzler, Cory Lee
 Hickman, Ernest Trammel
 Hidey, Everett
 Higgins, John Philip
 *Higgins, Mary Ellen
 Hill, John Walker
 *Hiller, Ethel L.
 *Hills, Mildred Frances
 Hilton, Miriam Bangs
 Himes, Albert Perry
 Hird, Grace Virginia
 Ho, Yun-Luang
 *Hoag, Leila R.
 Hobbes, Ina I.
 †Hochheimer, Rita, A.B. (Barnard), 1909
 Hodgman, Frank Herbert, jr.
 Hoffman, Edith Marie
 Hoffman, Katharine Alice
 *Hoffman, Melissa Dortha
 Hoffman, Viola Elizabeth
 Hoffmaster, Helen Anna
 Hoffmire, John Sherwood
 Hofmann, George Robinson
 Hogg, Edith Esther
 Hole, Myra Cadwalader
 Hollis, Henry French, jr.
 *Holmes, Beatrice
 Holmes, Ethel Harriet
 Holt, Thomas Baird
 Homeier, Arthur Lou
 Honeywell, Eva Christian
 Hopkins, James Bryant, A.B. (Hamilton, 1899) A.M. (Cornell), 1903

Slatington, Pa.
 Cambridge, Mass.
 Wilson, N. C.
 San Angelo, Texas
 Waterbury, Conn.
 Altoona, Pa.
 Coraopolis, Pa.
 Slippery Rock, Pa.
 Philadelphia, Pa.
 Lincoln, Neb.
 Cutmeat P. O., S. Dak.
 Lansdale, Pa.
 Clarksburg, W. Va.
 Amherst, Mass.
 Shippensburg, Pa.
 Ithaca
 Montclair, N. J.
 Duryea, Pa.
 New York City
 Bloomfield, N. J.
 Vincennes, Ind.
 Cleveland, O.
 Philadelphia
 Ithaca
 Sharon Springs
 Gowanda
 Jacksonville, Fla.
 Mount Vernon
 Edgartown, Mass.
 New York City
 Hazleton, Pa.
 Yonkers
 Ithaca
 North Adams, Mass.
 Monessen, Pa.
 Edgeworth, Pa.
 Brooklyn
 Ithaca
 Dunkirk
 Centralia, Kansas
 Philadelphia, Pa.
 Erie, Pa.
 Ravena
 Rochester
 Vineland, N. J.
 New York City
 Ridgewood, N. J.
 Milwaukee, Wis.
 New York City
 Wellsville, O.
 Lake Wales, Fla.
 Erie, Pa.
 Waverly
 Ithaca
 Bridgeport, Conn.
 Port Jervis
 Mt. Vernon
 Washington, D. C.
 Cleveland, O.
 Granville
 Hu-peh, China
 Port Richmond
 Kingston, Pa.
 New York City
 Brooklyn
 Wilkes-Barre, Pa.
 Lebanon, Pa.
 Ithaca
 Collingswood, N. J.
 Pottsville, Pa.
 Trumansburg
 Pittsburgh, Pa.
 Titusville, Pa.
 Washington, D. C.
 Washington, D. C.
 New York City
 Corning
 Ithaca
 Akron, O.
 Luzerne, Pa.
 Easton, Pa.

- Hornickel, Frank Lute
 *Horton, Ervia Dearlove
 *Horton, Hannah Belle, A.B. (Oberlin), 1913
 Houser, Duncan Prewitt
 Houston, Horace King
 *Hover, John Milton, B.Pd. (Mich. Nor.), 1909, A.B. (same), 1910
 Howard, Edwin Laclede
 *Howard, Harold Oliver
 Howard, Eleanor Maude
 Howard, Gladys W., A.B. (Vassar), 1915
 Howell, Clara Bower
 Howerth, Herbert Joseph
 Howes, Florence Houghton Frost, A.B. (Mt. Holyoke), 1903
 *Howgate, Henry Otis
 Huck, Louis Charles
 Huddle, Otto Everett
 Hughes, Bertha Deane
 Human, Leroy George Harvey
 Hunkin, Samuel Everett
 Hunt, Anna Seely, A.B. (Univ. of Rochester), 1913
 *Hunt, Charles Maynard
 Hunt, Ernest Carson, jr.
 Hunt, Roy
 †Hunt, Thomas Travis, B.A. (Univ. of Minn.), 1909
 *Huntington, Gertrude Amelia
 *Hurlbert, Florence Amy
 Hurtin, Harriet Lee
 Icasiano, Abelardo Reyes, A.B. (Ateneo de Manila), 1909
 Ingalls, Albert Graham
 Ingraham, Roberts George, B.S. (Colgate), 1913, A.M. (same), 1915
 Jackson, William Brinckerhoff, jr.
 Jacot, Elsa Blancke
 *Jacox, John Woolworth, B.S. (Alfred Univ.), 1911
 Jaggard, Ernest Plack
 James, William Benjamin, jr.
 *Jansen, Clara K.
 Jay, Harold
 Jefferson, Charles Wilson
 *Jennings, Edward Phelps
 †Jewett, William van Duyn
 Johns, Thomas Wesley
 Johnson, Charles Eneu, 2d
 *Johnson, Leah Bidena, B.A. (Univ. of Toronto), 1913, M.A. (same), 1905
 Johnston, Mallie MacBride, B.A. (Mt. Holyoke), 1912
 Johnston, Thomas Kenneth
 *Jokel, Julius
 †Jonas, Isabel
 Jones, Ada Harrington
 Jones, D. Oswald
 Jones, Harry Mease
 Kalb, Dorothy Burrman
 Kalb, Elizabeth Hutt
 *Kalfur, Frederick, B.S., 1915
 *Kamholtz, Albert, B.S. (City Coll. of N. Y.), 1902
 *Kaplan, Isabel Dorothy, B.A. (Hunter), 1915
 Karns, Bonnydell Louise
 Katz, Frederick Leopold
 Kauf, Anna
 Kaufman, Abraham
 *Kavetsky, Annie, B.S. (N. Y. Univ.), 1914
 Keane, Rose
 Keeler, William Henry, 3d
 Keiser, Emma Elizabeth, A.B. (Bucknell), 1912, A.M. (same), 1913
 Kelley, Marie Evangeline
 Kellogg, Hazel Jay, A.B. (Allegheny), 1914
 Kelly, Eva Hope
 Kelly, John Spencer
 Kelly, Theodore
 †Kelsey, Lydia Leah
 *Kennedy, Margaret
 Kenyon, Owen Henry
 Kephart, Lucy Wheeler
 Ketcham, Elsinore Louise
 Kilpatrick, Milligan Clarence
 Kimber, Arthur Myndert, A.B. (Williams), 1912
 *Kinavan, Josette Marie, A.B., 1905
 Kincaid, Margaret
 Cleveland, O.
 Prattsburg
 Brooklyn
 St. Louis, Mo.
 Chicago, Ill.
 Bethany, W. Va.
 St. Louis, Mo.
 Buffalo
 Honeoye Falls
 St. Louis, Mo.
 Ludlowville
 Shamokin, Pa.
 Springfield, Mass.
 Greenwich, Conn.
 Chicago, Ill.
 Van Etten
 Utica
 North Tonawanda
 Cleveland, O.
 Rochester
 Ithaca
 Flushing
 New York City
 Le Sueur, Minn.
 Ithaca
 Forestville
 Patchogue
 Bulacan, Philippines
 Watkins
 Hamilton
 Silver Spring, Md.
 Honesdale, Pa.
 Ithaca
 Altoona, Pa.
 Plymouth, Pa.
 Buffalo
 New York City
 Schenectady
 New York City
 Plainfield, N. J.
 New Castle, Pa.
 Lansdowne, Pa.
 Stratbury, Ont., Canada
 Sidney
 Peekskill
 New York City
 Brooklyn
 Harrington, Del.
 Venedocia, O.
 Pine Grove, Pa.
 Washington, D. C.
 Washington, D. C.
 New York City
 New York City
 Brooklyn
 Columbus, O.
 New York City
 Pittsburgh, Pa.
 New York City
 Brooklyn
 Ithaca
 Pittsburgh, Pa.
 Mt. Carmel, Pa.
 Lawrence, Mass.
 Titusville, Pa.
 Brooklyn
 Troy
 Washington, D. C.
 Sheffield, Mass.
 Sheepshead Bay
 Adams
 Ithaca
 Rockford, Ill.
 Valencia, Pa.
 Watervliet
 Brooklyn
 Brooklyn

Kinchley, Harry Augustus
 †King, Don Lawrence, A.B. (Dartmouth), 1913
 *King, Helen Marion
 King, Paul, B.E. (No. Car. A. & M. Coll.), 1914
 Kinsella, John Joseph
 *Kircher, Stacy George
 Kirchner, Marie Amalia
 Kisthardt, Marguerite Sophia
 *Knapp, Cora Marie
 *Knapp, Leslie George
 Knapp, Thomas Phillips
 Knappenberger, Martha Olive
 Knauss, Louis Eugene
 *Knight, Dorothy Reese
 *Knight, Georgia
 Knight, John Alden, jr.
 *Kniskern, Katharine Seldem, A.B., 1905
 Knox, Herbert Benjamin, jr.
 Knox, Robert Wallis
 Kobre, Regina
 Kohm, Mary Pauline
 *Kolk, Laura Alma, B.A. (Wellesley), 1913
 *Korn, Hattie
 *Korn, Henry O.
 Kramer, Paul Harris
 Krautz, Eda Margaret
 Krivulin, Ida, B.A. (Hunter), 1913
 Kuhn, Mildred Josephine
 Kulp, Isabella Nancy
 Kunsman, Mamie Esther
 Kurz, Ernst William

 Laird, John Evans
 †Lake, Dyer Barker, B.S. (Syracuse), 1909, M.S. (same), 1910
 *Lake, Irma
 *Lambert, Sophia Wilhelmine, A.B., 1905
 Lamphier, Louise Lyman
 Landes, Joseph
 Lundgraf, Dorothea Clark
 *Landres, Arnold Gregory
 *Lane, Judd Charles
 Langham, Edna Ethel
 †Lanneau, Louise Cox, B.A. (Meredith Coll.), 1908
 *Lanterman, Mildred
 Lask, Clara
 de Laski, Arthur Bancroft
 de Laski, Edgar Gustave
 Lathrop, Francis Suming, 2d
 Lattie, Bertha Jane
 Lau, Kwai Cheuk
 Lauffer, Verna Frances, B.A. (Allegheny), 1911
 Lauritzen, John Irwin, B.D. (Utah Agr. Coll.), 1913
 *Lautz, Arthur Fred
 Lautz, Theodore Van Vleck
 Law, Stanley Overhold
 *LaWare, Edward William
 *LaWare, John Henry
 Lawrence, Bertha
 Lawrence, Franc
 *Lawrence, Raymond Elliott
 †Lawson, Nora Pauline
 Lawron, Aubrey Walter
 Leavy, Margaret Katharine
 *Leege, Henry Charles
 Legge, Nina
 LeMassena, Margaret Williams
 Leonard, Nellie Brokaw
 †Lenton, Gertrude Pearl
 *Leuf, Ralph Rea
 Levine, Charles
 Lewin, Ruth Columbia
 Lewis, Alice Edith
 *Lewis, Edgar Donald
 Liberman, Anna Rhea
 de Lima, Plinio
 Lincoln, Donald
 †Lincoln, Mildred Ella, A.B. (Syracuse), 1912
 Lindsley, George Lawrence
 Lines, Elsie Louise
 *Litchfield, Edward Harvey

New York City
 Boston, Mass.
 Hobart
 Emporia, Va.
 Schenectady
 Mt. Vernon
 Philadelphia, Pa.
 Hazleton, Pa.
 Rochester
 Port Byron
 Waverly
 Jeannette, Pa.
 Poughkeepsie
 Ithaca
 Ithaca
 Williamsport, Pa.
 Ithaca
 Germantown, Pa.
 Houston, Texas
 Brooklyn
 Ithaca
 Brooklyn
 Mt. Vernon
 Mt. Vernon
 Gaylord, Mich.
 Honesdale, Pa.
 New York City
 Buffalo
 Harrisburg, Pa.
 Stone Church, Pa.
 Tarrytown

 Freehold, N. J.
 White Lake
 Oswego
 Brooklyn
 Torrington, Conn.
 New York City
 Ithaca
 New York City
 Nichols
 Johnstown, Pa.
 Wake Forest, N. C.
 Ithaca
 New York City
 Weehawken, N. J.
 Weehawken, N. J.
 Wayne, Pa.
 Portland, Me.
 Hong Kong, China
 Harrison City, Pa.
 Moroni, Utah
 Buffalo
 Buffalo
 Pittsburgh, Pa.
 New York City
 New York City
 Phillipsburg, N. J.
 DeRuyter
 Cleveland, O.
 Brockport
 Hudson Falls
 Corning
 Eden
 Ithaca
 Newark, N. J.
 Interlaken
 Fulton
 Philadelphia, Pa.
 Brooklyn
 Brooklyn
 Wilkes-Barre, Pa.
 Hancock
 Syracuse
 S. Paulo, Brazil
 Cleveland, O.
 Rochester
 Philadelphia, Pa.
 Milford, Conn.
 Ellicottville

- *Littlehales, Ethel Emma
 Liu, Abraham Sang
 Livingstone, Edward Archibald
 Lo, Ying
 Lobdell, Harrison
 †Lockhart, Lizzie Marion, A.B. (Vassar), 1896
 Lockhart, W. Frank
 *Lersch, Mary Ann
 Lofquist, Alden Alexander
 Long, Jessamine Elizabeth
 Long, Norman Herbert
 Longwell, Henry Edgar, jr.
 Lopez, Francisco Federico, A.B. (Nat. Coll. Salta, Arg.), 1913
 *Loughran, Margery Belle
 *Loughran, Mary Frances
 Lovett, Angela Marion Elizabeth
 Lowe, Marion Minnie
 Lu, Ching Kui
 Lu, Feng Shu
 Luce, Robert Francis
 Ludlow, Thomas Harold
 Lyon, Bertha Pirsson
- *MacAdams, Kathleen Anne
 *†McAllister, Nellie Clare, A.B., 1912
 McAnlis, Chauncey Ruthven, B.S. (Penn. State), 1910, C.E. (same), 1915
 *MacAmis, Herbert Clyde, A.B. (Tusculum), 1913
 MacAvoy, M. Mildred
 McCarthy, John Robert
 *McCarthy Marie Helen
 McCarthy, Mary Margaret
 *McCathran, Ruth Eaton
 McClary, Grace Elizabeth
 McClure, Ross Gerrette
 McConnel, Murray
 McConnell, Carl Gilbert
 *McCarmack, Mary Anne
 McCoy, Daniel Chauncey
 *McCrea, Lona Blanche
 *Macdonald, Fred Charles, Ph.B. (N. Y. Univ.), 1900, Pd.M. (same), 1901, B.A. (same), 1902
- McDonald, John
 McFadden, Charles Wade Close
 MacFar and, Marion Pennypacker
 McGeary, Mabel Edith
 McGee, Sarah Hodgkinson
 McGin'ey, Marie E'izabeth
 McGranahan, Bess
 McGregor, Mabel Aurelia
 *McGrew, Walter Browning
 McHugh, Gertrude Thomasina
 MacIlroy, Helen
 MacIntire, Walter Hoge, B.S. (N. C. A. & M.), 1905, M.S. (Penn. State), 1909
- McKenna, Eleanor Pindsay
 McKibbin, Ida Mary
 *McKiernan, William Aloysius
 McKinley, Ethel Gertrude
 McMahan, Mary Louise
 MacMonnies, Helen DeMelo
 McNair, George Henderson Stanser
 McRee, Lila Mai
 Mago, Lillian Angela
 *Mahnken, Florence Voss, B.A. (Hamilton), 1913
 *Mailler, James Russell
 Maley, Julia Alma
 Mallory, Margaret Lord
 Maloney, Louis Brown
 *Mank, Helen Gardner, A.B. (Mt. Holyoke), 1909
 Manley, Florence Hilda
 Mans, Edith Irene
 *Mapes, Herbert Mortimer
 *Marcus, Harry Louis
 †Margulis, Abraham Bernard
 *Marks, Leo
 Marks, Ruth Gladys, A.B. (N. Y. Nor. Coll.), 1913
 Maryland, Alice Anna
 Marsh, Frederick Howard Vermilyea
 †Marsh, Lora Almira, Ph.B. (Hillsdale Coll.), 1899
 Marsh, Walter Roberts
 Martin, Clara Alice
- Syracuse
 Honolulu, Hawaii
 Washington, D. C.
 Kaing-Si, China
 Chicago, Ill.
 Mt. Vernon
 Ridgway, Pa.
 Pittsburgh, Pa.
 East Orange, N. J.
 Buffalo
 Baltimore, Md.
 New Haven, Conn.
 Salta, Arg. Rep.
 Nassau
 Nassau
 Ithaca
 Tottenville
 Fengtien, China
 Kiang-Su, China
 Woodhaven
 Rosebank
 Newark, N. J.
 New York City
 Ithaca
 State College, Pa.
 Greenville, Tenn.
 Brownville
 New York City
 Ithaca
 Buffalo
 Washington, D. C.
 California, Pa.
 Chicago, Ill.
 S. Paulo, Brazil
 Forest Home
 Rochester
 Yonkers
 Oakmont, Pa.
 Brooklyn
 St. Louis, Mo.
 Philadelphia, Pa.
 West Chester, Pa.
 Findlay, O.
 Homer City, Pa.
 Tarentum, Pa.
 Wheeling, W. Va.
 Maine
 Chicago, Ill.
 Lawrence, Mass.
 McKeesport, Pa.
 Wilmington, Del.
 Philadelphia, Pa.
 Buffalo
 Brooklyn
 Merchantville, N. J.
 Elmira
 Westfield
 West New Brighton
 Watkinsville, Ga.
 Tonawanda
 New York City
 Cornwall
 Glen Carbon, Pa.
 Cleveland, O.
 Watkins
 Lawrence, Mass.
 Altoona, Pa.
 Hazleton Pa.
 Owego
 Brooklyn
 Ithaca
 Brooklyn
 New York City
 Corning
 Westfield, Pa.
 Keuka Park
 Washington, D. C.
 Pierrepont Manor

Martin, Victor Kinnaman	Buffalo
*Massey, Mabel	Salisbury, Md.
*Mathews, Sadie	Ithaca
*Mathewson, Frank Elmer	Verona
Matthews, Harry Grant	Ithaca
Matthews, James Evart	Brooklyn
*Matthey, Alice Adele	Brooklyn
Mattli, Peter Antony	Gosehnevalp, Switzerland
May, Tuang-Ti, B.S. (N. W. Univ.), 1915	Ning-Ku-Fu, China
Mayers, Alton Rulon	Salt Lake City, Utah
Maynard, Evelyn Elizabeth	West Pittston, Pa.
†Mead, Loren Joseph	Santa Ana, Cal.
Mead, Roy Rouse	Moravia
Medlong, Frederick William	Oswego
Meeker, Mabel Spraker	Lodi
Meeker, Margaret Seaman	Binghamton
†Meighen, John Lynn, B.S. (Waynesburg), 1913	Waynesburg, Pa.
Meikle, Alexander Craig	Baltimore, Md.
Menaker, Robert Theodore	New York City
†Mendes, Henry Pereira	New York City
*Mendes, Piza, B.S. (Columbia), 1915	New York City
*Mendes, Rosalie Piza	New York City
*Mendes, Samuel Pereira	New York City
*Meneses Comas, Joseph Louis	Ithaca
†Menke, Chester Hume	Ithaca
Meren, Harriet	Brooklyn
Mereness, Kneeland Abram	Sharon Springs
Merlin, Iva Harkinson	New York City
*Merriam, Rebecca Susanna	Washington, D. C.
Merrick, John Finney	Hamilton, Ont., Canada
†Merrill, Bertha Alice, B.L. (Smith), 1899	Lawrence, Mass.
†Merrill, Grace Evelyn, B.L. (Smith), 1902	Lawrence, Mass.
††Merrill, Robert Dietz, B.S., 1915	Schoharie
Merrill, Walter Scott, B.S. in C.E. (Univ. of Me.), 1910	Harmony, Maine
†Merson, Frankie Lawrence, A.B. (Keuka Coll.), 1904, A.B. (Bates), 1907	Keuka Park
Merwin, Elsie Gertrude	Leeds, Mass.
Meston, Robert Scott	St. Louis, Mo.
Michener, John Hanson	Erie, Pa.
†Miles, Julia Mary	Penn Yan
Millard, Harriet Adelle	Detroit, Mich.
Miller, Alvah Lawrence	Brooklyn
*Miller, Elizabeth Janet	Ithaca
Miller, George	Bridgeport, Conn.
*Miller, Gladys D., B.A. (Elmira Coll.), 1908	Elmira
Miller, Marion Charlotte, B.Ph. (Denison Univ.), 1914	Salamanca
Mills, Geneva Marguerite	Binghamton
*Mills, Mary	Brockport
Mönch, Laura Mary, A.B. (Wellesley), 1914	Gowanda
*Moir, John Troup, jr.	Papaikon, Hawaii
Molony, Harman Martin	Philadelphia, Pa.
Monaghan, Thomas Aloysius	New York City
*Montgomery, Charles Berwind	Philadelphia, Pa.
Montillon, Herbert George, LL.B. (Univ. of Buffalo), 1911	Buffalo
Moore, Charles Benton, B.S. in C.E. (Ala. Poly. Inst.), 1914	Marion, Ala.
*Moore, Charlotte Margaret	Buffalo
Moore, Florence Isabelle	Bayonne, N. J.
Moore, Kenneth Phelps	Newark, N. J.
Moore, Mengo Vernor	Savona
Moran, Clement, A.B. (Defiance Coll.), 1910	Black Run, O.
Morgan, Ella	Syracuse
Morgan, Daniel Stentz	Uniontown, Pa.
*Morrison, Ethel, B.A. (Hunter), 1914	New York City
Morse, Sarah Ida	Providence, R. I.
Mosheimer, Lena	Lyons
*Mossdrop, Alfreda, A.B. (Vassar), 1914	Rochester
Mowery, Anna Marie	Columbia, Pa.
Moyer, Violet	Penbrook, Pa.
Mueller, Bertha J.	Philadelphia, Pa.
Muldowney, Mary Helena	Heckscherville, Pa.
Mullen, Fred Berry	Jamaica
Mulligan, Daniel Francis, jr.	Wilkes-Barre, Pa.
Mullikin, Alfred	Baltimore, Md.
Murphy, Genevieve	Pittsburgh, Pa.
Murphy, Robert Aloysius	New Rochelle
Murray, Daniel Bernard	Schenectady
*Murray, Lawrence Owen, LL.B. (N. Y. Univ.), LL.M. (Georgetown), LL.M. (Geo. Wash.), D.C.L. (Catholic Univ. of America), LL.B. (N. Y. State Regents), LL.D. (Niagara Univ.)	Elkland, Pa.
Murray, William Hallam Gillis	Binghamton
Myers, Helen Parker	Buffalo

Myers, Karl Russel, C.E. (Ren. Poly.), 1915

Myers, Ralph John

Myers, Somers Leroy

*Nabenhauer, Fred Paul

Nadelman, Martin

†Nagel, Paulina Margaret

Nash, Jack Thomas

*Neergaard, Christian Frederick

Nelson, Ellen Gardner

*Nelson, Gertrude Helen

Nelson, Jennie Elizabeth

Nelson, Luzanne Charles

Neuhaus, Ralph

Neumaier, Martin

*Neville, Homer Borst

Newkirk, Arthur Duncan

Newman, Gwendell Barden

Nicholas, Helen Grace, A.B., 1914

*Nichols, Grace Amelia

Noar, Gertrude

Noell, Josefa

Norris, Olive Katherine, A.B. (Oberlin), 1905

Noss, Elizabeth McCormick

†Noyes, Alice Ayr, B.A. (Mt. Holyoke), 1907 A.M. (Cornell), 1913

†Noyes, Eva Josephine

Nye, Gertrude Houston

†Oagley, Edith Brooks, Ph.B. (Syracuse), 1910

Oates, Edna Clara

Ober, John Lewis

O'Connell, Edna Regina

*Odell, Elizabeth W.

Odiirne, Mabel

*Oetjen, Wilhelmine Sophie, A.B. (Hunter), 1904

*Ogden, Mabel Burba

Ogden, William Bruce

†Olcott, Frances Mahala

*Oldrieve, Albert George

O'Leary, James Hallen

Olmstead, Charles Harold

Olney, Herbert Mason

Orme, Charles Dickerson

*Osborn, Marie Delano

*Ostrander, Ella Nora

*Oswald, Charles Louis

Oswald, Victor Amandus

†Otten, Henry Louis, A.B., 1910

Otten, Martha Louise

*Owsley, Martha Mancell

*Osmun, Ednah E.

Palen, Frederick Gilbert

Palmer, John Milton

†Palmer, Wintha Rudolph, B.S. (Ore. Agr. Coll.), 1909

†Papurt, Sarah

Park, Luther Earle

*Parker, Bessie Laura

Parker, Ralph Coy

Parkhill, Mortimer Smith

Pashkow, Morris Herman

Passmore, Lincoln Alan

†Patchel, Margaret Mary

Patterson, Jessie Anders

Pawling, Mary Leta

Payne, Vera

Pease, Rodney Wesson

Pease, Ruth Elizabeth

†Peck, Edna Porter

*Peck, Walter Stephen

Peebles, Hubert Kenneth

*Pennell, Ethel Adele, B.A. (Wellesley), 1898

Pennewill, Emma Lillian

Penny, Harrietta Wilcox

†Pentz, Maude

Perkins, Charles Stuart

Perkins, Margaret Hill

*Persson, Elizabeth

Peters, Oscar Henry, A.B. (Wooster), 1903, A.M. (Harvard), 1906

Petersen, Louis Christiern, B.S. (N. W. Univ. O.), 1903

*Peterson, Ruth Edith Katherine

Livonia

Pittsburgh, Pa.

Philadelphia, Pa.

Stapleton

Jamaica

Newark, N. J.

Fort Worth, Tex.

Brooklyn

Antrim, N. H.

Willseyville

Yonkers

Ithaca

Houston, Tex.

New York City

Sharon Springs

Jacksonville, Fla.

St. Louis, Mich.

Philadelphia, Pa.

Jefferson

Philadelphia, Pa.

San Juan, Porto Rico

Spencer

Franklin, Pa.

Haverhill, Mass.

Haverhill, Mass.

Ithaca

Norwich

Sharpsville, Pa.

Solvay

New York City

Hastings

Norfolk, Neb.

New York City

Ithaca

Granville, O.

Canastota

Cleveland, O.

Clayton

Troy

Vernon Centre

Atlanta, Ga.

Rochester

Ithaca

Keuka Park

Freeland, Pa.

Jamaica

Jamaica

Youngstown, O.

Ithaca

New Rochelle

W. Somerville, Mass.

LaFayette, Ind.

Cleveland, O.

Maddensville, Pa.

Ripley

Spencerport

Poughkeepsie

Newark, N. J.

Philadelphia, Pa.

Philadelphia, Pa.

Jackson, O.

Hagaman

Ithaca

Buffalo

Oswego

Philadelphia, Pa.

Hannibal

Oswego

New York City

Philadelphia, Pa.

Buffalo

DuBois, Pa.

Newark

New Wilmington, Pa.

Solvay

Boston, Mass.

Carbondale, Ill.

New York City

- Petigree, Corinne Marilla
 †Pfaff, Gladys Barbara, A.B. (Smith), 1909
 †Pfuhl, Sophie Augusta, A.B. (Bryn Mawr), 1900
 Phelps, Apheus Randolph
 *†Phillips, Cyrus Grammer, B.Ed. (Neb. St. Nor.), 1912, A.B. (Nebr. Univ. O.), 1912
 *Place, Alice Dunham
 Place, Margaret Eola, Ph.B. (Alfred), 1913
 *Platt, Emilie Louise, A.B. (Adelphi), 1911, A.M. (Cornell), 1913
 Pöhlman, James Elmer
 *Poole, Laura Frances
 Pope, Ethel Martin
 Porter, Henry Whittier
 Post, Josephine
 †Potter, Mary Isabelle
 Potter, Mildred
 †Powell, Annie Harries Gwendolyn
 †Powell, Dorothy
 Powell, Laura Augusta
 Pratt, Jane Hulburd, A.B. (Elmira), 1890
 Pratt, Joshua Dickson
 Pratt, Mary Louise, Ph.B. (Syracuse), 1907
 Prenter, Anna
 Preston, Ross McKean
 Price, James David
 Price, Ralph Lee
 Price, Robert Morgan
 Pritchard, Elizabeth Jane
 *Purdy, Charles Wesley
 Purdy, Clara Rachel, B.A. (Wellesley), 1897
 Putnam, Arthur James
 *Raferty, Esther Kathryn, A.B. (State Coll. for Teachers), 1911
 *Rahn, Earl Eugene, Ph.B. (Dickinson Coll.), 1912
 †Rainey, Rose Elizabeth
 Ralph, Walter McMillen
 Ralston, Alene
 Ramirez, Reinaldo
 *Ramsey, Edward
 †Ramsdell, Dorothy
 †Rand, Harriet Clark, A.B. (Bates), 1908
 Ranke, Verna Dorothea
 Rapp, George Washington, jr.
 Ratledge, Louise Rees
 Raymond, Lucia Bostwick
 Redding, Agnes Elizabeth
 *Redman, Minnie Abigail
 *Reed, Catherine Elizabeth, A.B. (Syracuse), 1912
 Reed, Doroles Veronica
 Reed, Grace May
 Reed, Jane Riehl
 Reeves, Algernon Poole
 Reichle, Herman Carl
 Reid, William Taylor
 *Remmert, Anna Elizabeth
 *Rennay, Leon
 *Retherford, Jesse Edward, A.B. (Indiana), 1901
 Reyes, Francisco Antonio, jr., B.Sc. (London Univ.), 1912
 Reyes, Hermenegildo Balbina, B.A. (Ateneo de Manila), 1914
 Reynolds, Bernieve, A.B. (Lake Forest), 1913
 Reynolds, Catharine
 †Rice, Arthur Valentine
 Richards, Ella Margaret
 *Richardson, Royal Paul, A.B. (Brown), 1911, A.M. (same), 1912
 *Richardson, Ruth Hawkins
 Richmond, Eleanor
 Richmond, Madge Eleanor, A.B. (Bates), 1887
 Rickard, Grover Edgar, A.B., 1913
 †Rider, Helen
 Rider, Ruth Amy
 *Ries, Donald Timmerman
 Riley, Mark Raymond
 Riley, Flora Miranda
 Robbins, Mildred Louise
 *Robbins, Robert Lake
 Roberts, Anna Maude
 Roberts, Francis Murray
 Roberts, Fred White
 Robertson, William Wallace, jr.
 *Robinson, Grace Helen
 Oswego
 Bangor, Me.
 Louisville, Ky.
 Niagara Falls
 Moores Hill, Ind.
 Wellesley Hills, Mass.
 Alfred
 Brooklyn
 Baltimore
 Ithaca
 Pierrepont Manor
 Chelsea, Mass.
 Ithaca
 Farmington, Conn.
 Ithaca
 Buffalo
 Buffalo
 Marion, Ind.
 Waverly
 Honolulu, Hawaii
 Olean
 Pittsburgh, Pa.
 Ithaca
 Edwardsville, Pa.
 Minersville, Pa.
 Hazleton, Pa.
 Garry, Ind.
 Cambridge, Mass.
 Ovid
 Deposit
 Sherburne
 Birdsboro, Pa.
 Tunkhannock, Pa.
 Buffalo
 Philadelphia, Pa.
 Cabo Rojo, Porto Rico
 Brooklyn
 Dickinson Centre
 Brooklyn
 Ellicottville
 Cincinnati, O.
 Townsend, Del.
 Franklin
 McKees Rocks, Pa.
 Medina
 Syracuse
 Pittsburgh, Pa.
 Springfield, Mass.
 Philadelphia, Pa.
 Washington, D. C.
 Hastings, Neb.
 Brooklyn
 Brooklyn
 New York City
 Elizabethtown, Ind.
 Santa Ana, El Salvador, C. A.
 Malolos, Bulacan, Philippines
 Valparaiso, Ind.
 Trumansburg
 Homer
 Delaware, O.
 Dighton, Mass.
 North Providence, R. I.
 Dover, N. H.
 Dover, N. H.
 Worcester
 Washington, D. C.
 Forestville
 Ithaca
 Orange, N. J.
 Washington, D. C.
 New Hartford
 Brooklyn
 Baltimore, Md.
 Watertown
 Denver, Col.
 N. Tonawanda
 Fillmore

- Robinson, Jesse Morse
 *Robinson, Zelia Adele
 Roderick, Ida May
 *Rodgers, Arthur Spencer
 Rodgers, Mary Catherine
 Roe, Margaret
 Rössle, Gertrude Rose, B.S. (Elmira), 1912
 Rogers, Frederick Lansing
 Rogers, Lois Maybel
 Rogers, Remington, LL.B., 1914
 Romer, Winifred
 *Roper, Frank Adams
 Ropes, John Marling
 Rosania, Gustave
 Rosenbaum, Benjamin
 *Rosenberg, Jacob
 Rosenberry, Morris Calide
 Rosenthal, Bernard
 Rosenthal, Jules Edmund
 Ross, Laura Elizabeth
 Ross, Maude Lillian
 *Roth, Louise
 Rothschild, B. Lilian
 Rothschild, Edith
 *Row, Glen George
 Rowe, Mary Dorothy
 Rowland, John Burl
 Ruckgaber, Otto Ernest
 Rudkin, Charles Nathan, B.S. (Wesleyan), 1915
 Ruiz, Juan José
 Rusack, Gretchen, B.A. (Hunter), 1914
 Runyan, Helen
 *Ruahmore, Edmund
 *Russell, Auleen Bernice
 Rust, Wilbur Oscar
 Ryder, Alice Tenney, A.B. (Mt. Holyoke), 1904
- Sabin, Bertha Harriet
 *Sabin, Grace Marguerite
 Sager, Carl E., A.B. (Syracuse), 1913
 †St. John, Emily Porter, A.B. (Elmira), 1890
 Samans, Marta
 *Sammons, Harriett
 Sanderson, Albert Bowman, jr.
 Sandford, Raymond Halsey
 *Sanford, Raymond Prior
 *Santorelli, Katherine Alice
 *Saunders, Helen Elizabeth
 *Saunders, Veda Amy
 Saurman, Elizabeth Williams
 Scales, Herbert Leroy, jr.
 Schaefer, Charles Nicolaus, M.D. (Univ. of Pittsburgh), 1904
 Scheetz, Francis Harley
 Scheltz, Mathias George
 Schenck, Hal Emerson, B.S. (Va. Mil. Inst.), 1914
 Schiller, Blanche Antoinette
 Schively, Yale Roots
 Schladt, George John
 Schlitz, Karl Washington
 Schmelz, Frederick Charles
 Schmidt, Dagmar Alfven
 Schotland, David Thomas
 †Schradiack, Margaret, B.A. (Adelphi), 1909
 *Schramm, Irene Catherine
 Schultz, Clara Irene
 Schultze, Louis Charles
 *Schwimbersky, Edith, B.A. (Hunter), 1914
 Scott, Eleanor Katherine
 Scott, Frederick Bartlett, jr.
 Seaman, Bleecker Noel Provost
 Seamans, Mary Asenath
 *Seckel, Elsie, A.B. (Hunter), 1911
 Seely, Grace Alvana, A.B., 1904
 Segnitz, Paul Herman
 *Selden, Marian Minerva
 *Selkirk, Anna Regina
 Sellick, Florence Mary
 Sergeant, Nellie Barney, A.B. (Smith), 1906, Pd.B. Albany Nor. Coll., 1907, A.M. (Columbia), 1911
 *Severance, Mildred, A.B., 1915
- Washington, D. C.
 Ithaca
 Hazleton, Pa.
 Troy
 Lewiston, Pa.
 Wilkes-Barre, Pa.
 Elmira
 Watertown
 Sanborn
 Brooklyn
 Ithaca
 Owego
 Edgewood Cliffs, N. J.
 Bananquilla Colombia, S. A.
 New Haven, Conn.
 Brooklyn
 Stone Church, Pa.
 Wilkes-Barre, Pa.
 Brooklyn
 Ft. Wayne, Ind.
 Upland, Pa.
 Varysburg
 Cleveland, O.
 Cincinnati, O.
 Maple View
 Hazleton, Pa.
 Warrensburg, Mo.
 Brooklyn
 Middletown, Conn.
 Banes Ote, Cuba
 Catskill
 Bluffton, Ind.
 Schenectady
 Canastota
 Ithaca
 Stamford, Conn.
- Ontario
 Spencer
 Moravia
 Brooklyn
 Philadelphia, Pa.
 Towanda, Pa.
 Springfield, Mass.
 Bridgehampton
 Ithaca
 Ithaca
 Brooklyn
 Moira
 Philadelphia, Pa.
 Houston, Tex.
 Pittsburgh, Pa.
 Norristown, Pa.
 Ithaca
 Lawndale, N. C.
 Central Falls, R. I.
 Ithaca
 Washington, D. C.
 Brooklyn
 Detroit, Mich.
 Ithaca
 Newark, N. J.
 Brooklyn
 Brooklyn
 Meadville, Pa.
 Brooklyn
 New York City
 Oswego
 Syracuse
 Brooklyn
 Brooklyn
 New York City
 Spencer
 Milwaukee, Wis.
 Rome
 Brooklyn
 Rome
 Cooperstown
 Buffalo

- *Seward, Gertrude North
 von Seyfried, Emma Maria
 Shaffer, Florence
 Shannon, Margaret
 Shattuck, Hazel Hawley
 Shaw, Martin
 Sheen, Martha Elizabeth
 Sheffield, Walter Hershey
 Shelton, Murray Norcross
 †Shepard, Clara Louise
 Shepard, John Berdan, B.S. in Agr., 1907
 *Shepard, Paul Howe
 Shepard, Ruth Sigourney, A.B., 1911
 *Sheridan, Mary E.
 Sherry, Alden Bradford
 *Sherwood, Florence Kathryn
 Shields, Bertha May
 Shimp, Isabella Thompson
 Shirley, Mary Lois
 Short, Jeannette
 Shoutz, Blanche Eller
 *Simpson, Elizabeth T.
 †Sipe, Susan Bender
 Sivian, Leon John
 *Slater, Mary Florence Wells, B.S., 1900
 Slingluff, Olive Amanda
 *Slinkard, Edmund Tripp
 Small, Cora
 *Smart, Edythe Marion
 Smith, Alonzo Nelson
 *Smith, Anna LaVerne, A.B., 1905
 *Smith, Charles Orchard
 Smith, Douglas Alfred, A.B., 1914
 Smith, Edith Josephine, B.A. (N. Y. State Teachers Coll.), 1914
 *Smith, Editha Cora
 *Smith, E. Milton
 Smith, Elizabeth Raymond
 Smith, Elwyn Lawrence
 *Smith, Esther Amelia Dudley
 Smith, Florence Givens, A.B., 1908
 Smith, Frank Jonathan Ernest
 *Smith, Harland Leander
 Smith, Hattie Eliva
 Smith, Howard Cook
 Smith, Lucile Evelyn
 Smith, Martha Evelyn
 Smith, Rosa May
 Smith, William Randolph
 *Snow, Alice Tuckerman, B.S., 1915
 Snow, Mary Louise, A.B., 1903
 Sobel, Julius
 *del Solar, William Vincent
 Souder, Clement Franklyn, jr.
 Spear, George Perkins
 Spear, May Adele
 Speiden, Clement Leith
 †Speiden, Evelyn
 Spinning, Ethel Gladys
 *Spring, Mabel Madeline
 Springer, Julia Marie
 Stabler, Dorothy
 Statler, Charles Cooper
 Stambach, Clara Swift
 Standish, Robert Nevin
 Stanton, Clifford Alfred
 Stanton, Nathaniel Brown
 Stebbins, Edna
 Steel, Ernest William
 *Steele, Ellen Irene
 †Steele, Lawrence John, B.S., 1915
 †Steffens, Florence Margaret
 Stenbuck, Bertha Elizabeth
 Sternberger, Robert Oscar
 Stevens, Elizabeth
 Stevens, Julia Florence, B.S. (Simmons), 1913
 Stevenson, Joanna Donnell
 Stewart, Edna Stowe
 Stewart, Marian Isabel, B.S. (Elmira), 1912
 Stickney, Roland Lucius
 Stieberitz, Flora Elizabeth
 *Stieglitz, Theresa
 Binghamton
 Newark, N. J.
 Cleveland, O.
 Wilkes-Barre, Pa.
 Corning
 Rockland Lake
 S. Montrose, Pa.
 Nyack
 Dunkirk
 Lyons Falls
 Buffalo
 New York City
 Watertown
 Ithaca
 Troy
 Freeville
 Morrisdale, Pa.
 Lewiston, Pa.
 Washington, Ind.
 Penn Yan
 Huntingdon, Pa.
 Huntsville, Ala.
 Washington, D. C.
 Brooklyn
 New York City
 Pittsburgh, Pa.
 Brooklyn
 Wabash, Ind.
 Brooklyn
 New York City
 Sidney
 Wooster, O.
 Brooklyn
 Fredonia
 Ithaca
 Brooklyn
 Hornell
 Syracuse
 Rochester
 Ithaca
 Holyoke, Mass.
 Auburn
 Naples
 Buffalo
 Chardon, O.
 Baltimore, Md.
 Cameron Mills
 Brooklyn
 Fairport
 Syracuse
 New York City
 Pisco, Peru
 Toledo, O.
 Passaic, N. J.
 Brooklyn
 Summit, N. J.
 Washington, D. C.
 Newark, N. J.
 Port Henry
 Sullivan, Ind.
 New York City
 Paterson, N. J.
 Buffalo
 Edgeworth, Pa.
 Cortland
 Bath
 Albion
 Philadelphia, Pa.
 Ithaca
 Fairport
 Washington, D. C.
 Brooklyn
 Bloomfield, N. J.
 Brooklyn
 Middletown
 Clifton Heights, Pa.
 Williamsport, Pa.
 Bath
 Manchester, N. H.
 Grafton, W. Va.
 New York City

- †Still, Clara Cadwell
 *Stoesser, Gertrude
 Stoesser, Lillian Bertha
 Stopher, Henry Wallace, Mus.B. (North Shore, Chicago), 1914
 Storms, Ruth Estelle
 Stoughton, Elizabeth Alden, A.B., 1906
 *Stratman, Fredericks Edith
 Strauch, Albert Theodore, jr.
 Strebel, Robert Louis
 Stumpf, Catherine Anna
 Sturges, Frank, jr.
 Sturges, Marian Floyd, A.B., 1915
 Stutz, Clara Katharine, B.S. (Columbia), 1910
 Sulis, Aggie Layton
 Sullivan, William James
 Summa, Henry Theodore
 Summers, Agnes Leona
 *Sunball, Henry Rogers
 Supplee, George Cornell, B.S., 1913, M.S. in Agr., 1914
 Sutton, Anna Alice
 Swaving, Frances Amelia
 Swinger, Katharine
 Sykes, Eola Elizabeth, B.A. (Wellesley), 1914
 Symonds, Brandreth, jr.
 Szlupas, Hypatia Julia
 Sz-to, Sit Iu, A.B., 1915
- †Taggart, Donald Campbell
 Taggart, Margaret Belle
 *Tailby, Eloise Osmond, A.B., 1895, A.M. (Univ. of Pa.), 1911 (Cornell)
 *Taite, Manning Slee
 Tang, Yueh
 Tanner, Donald Phipps
 *Tanner, Georgia Ella
 *Tauszik, Adolph
 *Teachout, Howard Arthur
 Reichart, Salome Gertrude
 Teixeira, Wicar Goes
 †Terrasse, Bertha Emma
 Thatcher, Anna Woolery
 *Thatcher, Evangeline Voorhees
 †Thayer, Bessie Marian, Ph.B. (Univ. of Vt.), 1913
 *Thayer, Clara Louise
 Theodore, Samuel Joseph
 *Thimig, Anita Emilie
 Thomas, Alice Cary
 Thomas, Edith Vaughan
 Thompon, Blanche Ethel, B.S. (Univ. of Chicago), 1907
 †Thompson, Frances Eva, M.P. (West Chester Nor.), 1907
 Thompson, George Russell
 Thompson, Howard King
 Thomson, Alice Rawlings
 Thomson, Florence R.
 *Thönssen, Ruba Ella
 *Thirston, Adeline Alda
 *Tibbitts, Frank Marsden
 Tierney, Katherine Bird
 Tillinghast, Elizabeth Holland
 Tilson, Howard Ferguson
 Ting-Hsi, Chen
 *Titchener, Helen Horton
 Titchener, John Bradford
 *Tobitt, Ada
 Todd, Kirkland Wiley
 Todd, Lena
 Toles, Ethel Genevieve
 Tolon, Eva Teurbe
 Tong, Towe
 Tonks, Harry Charles
 *Torrence, Mildred A.
 Torroella, Juan Rooney
 Towle, Elizabeth Williams, A.B. (Bryn Mawr), 1898, A.M. (same), 1899
 Townes, Robert Edward
 Townsend, Bruce Ogden
 Townsend, David William
 Townsend, Kathryn Hazel
 Treman, Robert Carlton
 Trevor, Karl Robert
 †Triester, Bertha, A.B. (Western Reserve), 1910
 Tröck, Martha Dorothy
 †Trufant, Samuel Adams, jr.
- Middletown
 Buffalo
 Buffalo
 Natchitoches, La.
 Ithaca
 Hartford, Conn.
 Brooklyn
 New York City
 Buffalo
 Hazleton, Pa.
 Elmhurst, Ill.
 Brooklyn
 Washington, D. C.
 Digby, Nova Scotia, Canada
 Schenectady
 St. Louis, Mo.
 Franklin Forks, Pa.
 Ransomville
 Penn Yan
 Cleveland, O.
 Pottsville, Pa.
 Columbia, Pa.
 Rochester
 New York City
 Scranton, Pa.
 Canton, China
- Westfield, N. J.
 Pittsburgh, Pa.
 Ithaca
 Towanda, Pa.
 Lusar, Foochow, China
 Peckville, Pa.
 Ithaca
 New York City
 Ithaca
 Duquesne, Pa.
 Para, Brazil
 Buffalo
 Bridgeton, N. J.
 West Danby
 Marlborough, Mass.
 Ludlowville
 Aruppukota, S. India
 Brooklyn
 Ft. Wayne, Ind.
 Pittsburgh, Pa.
 West Haven, Conn.
 Washington, Pa.
 Long Island City
 Boston, Mass.
 Yonkers
 Pittsburgh, Pa.
 Washington, D. C.
 Friendship
 Union
 Niagara Falls
 Burlington, N. J.
 Texarkana, Texas
 Washington, D. C.
 Cortland
 Ithaca
 Darling, Pa.
 Wilksburg, Pa.
 Flora, Ind.
 Otego
 Philadelphia, Pa.
 Tientsin, China
 Newark, N. J.
 Mamaroneck
 Havana, Cuba
 Bryn Mawr, Pa.
 Memphis, Tenn.
 Trumansburg
 Pasig, Rizal, Philippines
 Hornell
 Ithaca
 Ithaca
 Cleveland, O.
 Brooklyn
 New Orleans, La.

- Truxell, Alice Marie
 Tucker, Elizabeth
 Tucker, Hazel Aubrey
 Tucker, Margaret
 *Turnbull, Jessie Menzies
 Turrell, Mildred Lucretia
 Tuthill, Bruce Curtis
 Tyndall, Edward Philip Theodore, B.A. (Richmond Coll.) 1912
 *Tyndall, Evelyn
 Tyrell, Stella Nettie

 *Uffand, Jacob
 *Underwood, Jesse Waggener, M.E. (Lehigh), 1904
 *Underwood, May McGovern

 Valade, Ernest Augustus, B.S. in E.E. (Catholic Univ.) 1914
 Valderrama, Mariano Alfredo
 Van Brocklin, Frank Ray, A.B. (Hiram Coll.), 1912
 Van Doren, Emma May
 Van Order, Ruba Mildred
 *Van Schœnhoven, William
 *Van Scoy, Alice Cornelia
 Van Valkenburg, Mary
 *Van Winkle, Allan Foster
 Velez, Bouquet Arnaldo
 Vickers, John Harold
 Vollrath, Jean Carl

 Wagoner, George W., jr.
 Wakefield, Elizabeth
 Wakefield, Homer Eugene
 Wakefield, Sherman Day
 Waldron, William Robert
 Walker, Carl Henry
 *Walker, Lula Virginia
 Wall, James Joseph, jr.
 Wallingford, Daniel Kirkwood
 *Walrath, Ulysses Grant
 Walter, Florence Elizabeth
 Walzer, Matthew
 Waring, Alma Gow
 Waring, Frances Willard
 †Warner, Margaret Bronson, B.A. (Wellesley), 1911
 *Van Dusen, Leslie Barden
 Warren, Constance Livonia
 †Warriner, Virgil Chittenton
 Waters, Marguerite Mary
 *Watson, Grace May
 Watt, Roland McKinley
 *Weatherby, Grace Kingsley
 *Webster, Alma Eloise Jackson
 Webster, Frederic Montrose August
 Webster, Maurice Hillis
 Weedon, Louise Cowles
 *Weikert, Olga
 Weilepp, Thomas Greacen
 Weimar, Ida Katherine
 *Weisman, Louis Goldman
 *Weiss, Elizabeth Emma
 *Weissman, Sarah Lalla
 †Weitman, Elizabeth, A.B. (Hunter), 1913
 Welles, Charlotte Rose
 Welles, Mary Ackley, B.S. (Elmira), 1912
 Welles, Nellie
 Wells, Ethel
 Wells, Jennie Rosalind
 *Wenger, Adeline Marie
 †Wessells, Emilia Margaretta
 West, Karl Groff
 Westerhoff, Peter Detelius, jr.
 Westermann, Elizabeth Caroline
 Westermann, Ruth Miriam
 *Westgate, Mary Lawton, B.A. (Wesleyan), 1897, B.Arch. (Cornell), 1910
 Westlake, Anne May, A.B. (Elmira), 1908
 Westover, Wendell
 Wetter, Emma Wilhelmina
 *Whalen, Anna Elizabeth
 Wheat, Grace Alice, B.S. (N. Y. Univ.), 1908
 Wheat, Nina Ethel

 Leechburg, Pa.
 Ridley Park, Pa.
 Whitman, Mass.
 Ridley Park, Pa.
 Ithaca
 Wilkes-Barre, Pa.
 Brooklyn
 Richmond, Va.
 Bridge Hampton
 Brownville

 New York City
 Brooklyn
 Brooklyn

 Randolph Centre, Vt.
 Ithaca
 Genoa
 Washington, D. C.
 Ithaca
 Troy
 Candor
 Athens
 Brooklyn
 Iquique, Chili
 Chicago, Ill.
 Sheboygan, Wis.

 Johnstown, Pa.
 Bloomington, Ill.
 Seabreeze, Fla.
 Buffalo
 New Germantown, N. J.
 Baltimore, Md.
 Farmville, Va.
 Duluth, Minn.
 Indianapolis, Ind.
 Great Valley
 Buffalo
 Brooklyn
 Gasport
 Tyrone, Pa.
 Brooklyn
 Rockville Centre
 Carlisle, Pa.
 Hammond
 Poughkeepsie
 Grand Rapids, Mich.
 Chicago, Ill.
 Hackensack, N. J.
 Ithaca
 Ithaca
 Evanston, Ill.
 Syracuse
 Hauppauge
 Ithaca
 Buffalo
 Brooklyn
 Buffalo
 Moscow, Russia
 Brooklyn
 Wilkes-Barre, Pa.
 Elmira
 Elmira
 Brooklyn
 Brooklyn
 Tenafly, N. J.
 Elizabeth, N. J.
 Danville, Pa.
 Midland Park, N. J.
 N. Tonawanda
 N. Tonawanda
 Ithaca
 Elmira
 Schenectady
 Buffalo
 Kingston
 Brooklyn
 Brooklyn

Wheeler, Ellen Eugenia	East Bloomfield
Wheeler, George Forrest	Elmhurst
Wheeler, Marion Eloise	Pittsburgh, Pa.
Wheeler, William Johnston	Elmhurst
Wheless, Eakin Lockwood	Shreveport, La.
Wherry, Flora Elizabeth	Philadelphia, Pa.
†Wherry, Helen Marie, B.S. (Univ. of Penn.), 1907	Philadelphia, Pa.
*†Whippen, Charles Warren, B.Sc. (Mass. Agr.), 1914	Lynn, Mass.
Whitaker, Eva Elouise, B.S. (Elmira), 1911	Deposit
Whitcomb, Agnes Matella	New Haven, Conn.
†White, Charles Willard, B.A. (Otterbein), 1913	Findley Lake
White, Charlotte Nancy	Waddington
White, DeGray	Butler, N. J.
White, Edgar Greaves	Syracuse
*White, Genevieve Elma	Buffalo
White, Mary Elizabeth, A.B. (Vassar), 1900	Argyle
White, Robert Morris	Ithaca
*White, Viola C., B.A. (Wellesley), 1911	Brooklyn
Whitehead, Hazel	Bradford
Whitfield, Harold Rodamer	Red Bank, N. J.
*Whitford, Landford Clinton, S.B. (Alfred), 1912	Alfred
Whitney, Andrew Jackson, 3d	Wilmington, Del.
Whitney, Cass Ward, B.S., 1913	Rochester
*Whittemore, Van Crampton	Collins Center
Whyte, Janet Liddell	Pittsburgh, Pa.
Wiesner, Maurice William	Rochester
†Wiestling, Helen Merwin, A.B. (W. Va. Univ.), 1911	Wheeling, W. Va.
*Wightman, Ellen Marie	West Eaton
Wigsten, Ellen Cecelia, A.B. (Elmira), 1915	Elmira
Wilford, Edward James	Ithaca
Wilbur, Gladys Elizabeth, A.B. (Brown), 1915	Schenectady
*Wilder, Susan Z., B.A. (Univ. of Minn.), 1908, B.S. (same), 1910	Minneapolis, Minn.
*Wiley, William Richard, A.B. (Western Md.), 1910	Baltimore, Md.
Wilhelm, Anna Katherine	Lima, O.
Wilkinson, Jennie	Ithaca
*Wille, Charles	New York City
†Willey, Mary Frances	Utica
*Williams, Alice Pierce	Pittsburgh, Pa.
Williams, Anna Louise, A.B. (Brown), 1899	Northampton, Mass.
†Williams, Belle, B.L. (Shorter Coll.), 1894	Columbia, S. C.
Williams, Margaret Jane	Utica
Williamson, Emma Wyckoff	Atlantic City, N. J.
*Willis, Kathleen Marie, A.B., 1912	Mansfield, O.
Willson, Ruth Ph.B. (Syracuse), 1909	Dryden
Wilner, Dorothy Edith, A.B. (Smith), 1913	Buffalo
Wilson, J. Bert	Ithaca
Wilson, Stewart Collins	Indianapolis, Ind.
*Winn, Caril Preston	Brooklyn
Winton, Carol Ackley	Ithaca
Wippich, Helene Avery	Ipswich, Mass.
Wischler, George Alphonsus, B.S. in M.E. (Purdue), 1910, M.E. (same), 1913	Washington, D. C.
Wisenall, Eleanor Jane	Covington, Ky.
*Witt, Leon Richmond	Brooklyn
Wolf, John George	Varysburg
Wolfe, Clayton Adrian	Newark
Wolfe, Joseph Ernest	Ithaca
†Wong, Chun	Canton, China
Wong, Kam Yuen	Hong Kong, China
Wood, Genevieve	Cleveland, O.
Wood, Lucy Thomas	Pittsburgh, Pa.
Woodell, Ina Emeline	Granville
*Woodelton, Esther	New York City
Woodle, George Bradley	Syracuse
Woodring, Grace, B.S. (Albright), 1906	Myerstown, Pa.
Woodward, Arthur Coy, A.B. (DePauw), 1913	Ithaca
*Woodward, Lacey Howard	Union Centre
Woodward, Sarah Jones, B.A. (Wellesley), 1905, M.A. (same), 1911	Concord, N. H.
Woolston, William Dan	Pittsford
*Wooster, Anna Evelyn, B.S. (Syracuse), 1913	Wales Centre
†Work, Eunice	Tarkio, Mo.
*Wright, Bertha Caroline	Oneonta
Wright, Elizabeth Teresa	Worcester
*Wright, Grace Elizabeth	Howell, Mich.
Wright, Jane	Oneonta
Wright, Julia Ann	Oneonta
*Wright, Lewis Horatio, D.V.M., 1914	West Grover, Vt.
Wright, Mary Ella	Rochester
Wright, Mary Olive	Columbus, O.
Wrigley, Annie Fenwick	Clearfield, Pa.
Wrigley, Thomas Edward	Shelton, Conn.
Wyckoff, William Ozmun, A.B. (Williams), 1914	Ithaca
Wyman, Phillips	New York City
Wynne, D. Annette	Brooklyn

Yang, Chien
 Yang, Yung Ching
 Yeh, Yu Liang
 Yenser, Charles Elmer
 Yeung, Sik Chung
 Yost, Charles Henry
 Yost, Helen Sarah
 *Young, Austin Wellhouse
 Young, Frances King
 *Youngs, Sarah L.
 *van Zandt, Fanny Brice
 Zen, Hoong Chiung
 *Zepp, Clarence Peter
 Ziegler, Louis Adolph, LL.B. (Columbia), 1880

Kiangsi, China
 Washington, D. C.
 Hong Kong, China
 Lehigh, Pa.
 Hong Kong, China
 Waterloo
 Waterloo
 New York City
 Ithaca
 Lestershire
 Ithaca
 Chungking, China
 Troy
 Newark, N. J.

STUDENTS IN THE WINTER COURSES IN THE COLLEGE OF AGRICULTURE, 1915-16

Abbey, Frederic M.	Essex Center, Vt.	Cornwall, Lyman G.	South Wales
Acuff, Bessie E.	Jefferson City, Tenn.	Craig, Charles E.	Rochester
Adair, Julian T.	Millersburg, Ky.	Craig, Kenneth M.	Glen-Spey
Adams, John O.	Newark	Crane, Roland	Kandaia
Ambler, Alice H.	Plymouth Meeting, Pa.	Crawford, Josephine	Wooster, O.
Ames, Lewis E.	Clay	Crayford, Forrest J.	Heuvelton
Amesbury, Daymon A.	Rochester	Crittenden, Harold C.	Whitesville
Anderson, Clarence L.	Jamestown	Crowley, Joseph D.	Hudson Falls
Anderson, Edward M.	Richmond Hill	Cummings, James J.	Boston, Mass.
Andre, Albert R.	Crown Point	Curtis, Edward L. W.	Southport, Conn.
Austin, Donald J.	Holley		
Austin, Henry B.	Skaneateles	Daley, Joseph R.	Caledonia
Aylesworth, Ray W.	Center Lisle	Dawley, Frederick K.	Mohawk
		Dayton, Herbert S.	Watertown, Conn.
Bætzell, Emilie F.	Rochester	Dean, Floyd H.	Shortsville
Bailey, Carl E.	Hubbardsville	Deck, Francis L.	Buffalo
Bailey, Clarence E.	Mt. Vernon	Decker, Charles	South Dayton
Bailey, Henry D.	Cazenovia	Denmark, Lauren M.	Van Etten
Baker, Loran N.	Springville	Dillon, Frances P.	Indian Rock, Va.
Baldwin, Warren R.	Bellerose	Dirk, Ralph C.	New York City
Barlow, Ross W.	Auburn	Dobe, Walter C.	Buffalo
Barnard, John D.	Claverack	Dold, Viktor B.	Buffalo
Bates, Chandler	New Rochelle	Douglass, William M.	West Chazy
Bates, Robert W.	Essex Junction, Vt.	Doyle, Frank A.	Rochester
Batty, Reginald C.	Utica	Dryer, Joseph F.	Geneva
Beaman, Lawrence D.	De Ruyter	Dunlap, Daniel S.	Altoona, Pa.
Bean, Walter H.	Cortland	Dunlop, Frank M.	Richmond Hill, Ont., Can.
Bennett, Leland G.	Trumansburg	Dunn, Florence M.	White Plains
Bergh, Abram L.	Breakabeen	Dunne, Edward M.	East Chatham
Besemer, Willis G., jr.	Besemer	Dyer, George J.	New York City
Beyette, Clayton C.	North Bangor		
Blakeman, Laurence E.	Hudson Falls	Earl, James S.	Unadilla
Blanchard, Carl F.	Cortland	Easterly, Clifford A.	Cherry Creek
Blank, Eugenie	Brooklyn	Ebersbach, Fador E.	St. Lawrence, Mass.
Blodgett, (Mrs.) Forest M.	Ithaca	Edwards, Harley D.	Arena
Boardman, (Mrs.) Nettie C.	Cleveland, O.	Eggleston, Earl H.	Liverpool
Böcherer, Herbert L.	Shushan	Elliott, (Mrs.) Evelyn N.	Auburn
Bourn, Elizabeth R.	Bristol, R. I.	Erle, Ernest W.	Dushore, Pa.
Bradley, James W.	Barnes	Evans, Clair M.	Angelica
Bradley, Samuel A.	Silver Creek	Evans, Meribeth N.	Norwich
Bradley, Wilbur H.	Interlaken	Evans, Milton J.	Holland Patent
Breese, LaMotte P.	Horseheads		
Brick, Irving L.	New York City	Fahey, William	Chester
Bridge, Esther	Pittston, Pa.	Fanning, Charles H.	Davenport Centre
Brotzman, Harry L.	Woodhull	Fanseen, Leandro J.	Mt. Pocono, Pa.
Brotzman, Homer E.	Woodhull	Fanley, Edwin R.	Campbell Hall
Brown, Herbert A.	East Martinsburg	Faulkner, Ralph O.	New Kingston
Burden, (Mrs.) Julia R.	Cazenovia	Ferguson, C. Reed	Whitney Point
Burdick, Gleason A.	Susquehanna	Ferree, George E.	Cayuga
Burdick, Raymond C.	Glenfield	Fish, Hamilton P.	Phoenix
Butler, Arthur M.	Scranton, Pa.	Foley, Peter J., jr.	Great Neck
Byrnes, Walter V.	Sherburne	Folsom, Ames C.	Adams
		Ford, Benjamin P.	Morristown, N. J.
Campbell, James A.	Mumford	Forster, Frederick J.	Ulster Park
Carlson, Carl T.	Hoboken, N. J.	Forsyth, Anson J.	Elba
Carr, Lewis F.	Dayton, O.	Fox, Clarence T.	Prattsburg
Caywood, Edith J.	Marlborough	Fox, (Mrs.) Lena D.	Deposit
Chamberlain, Neltson D.	Elmira	Francis, Charlie	Jefferson
Childs, Ralph B.	Rensselaer Falls	Francisco, James W.	Caldwell, N. J.
Clark, Charles F.	Berkshire	Fraser, Alexander J.	Fowlerville
Clarke, (Mrs.) Emily B.	Cooperstown	Freeman, William N.	Rochester
Clarke, George H.	Cooperstown	Freestone, John B.	Interlaken
Clothier, Hall R.	Silver Creek	Frey, Maximilian H.	New York City
Coffin, Clifford M.	Greenwich		
Cohen, Morris	Woodbourne	Gædt, William G.	Rochester
Cohen, Walter	New York City	Gates, Francis E.	Chittenango
Coleman, Harry S.	Fort Plain	Gates, Frederick P.	Lincklaen
Coles, Marion	Merchantville, N. J.	Geisenhoff, Ruth R.	Oneida
Conover, Gerrett H.	Middletown, N. J.	Geouchy, Albert S.	Cortland
Coonrad, Walt K.	Troy	Gibbs, Theron H.	Ithaca
Copley, Charles W.	Auburn	Gibson, Frances A.	Glen
Corbin, Robert P.	Stamford	Gillette, John B.	Cortland

Gleason, Rufus H.
Glenen, Frederick J.
Goldsmith, Fred
Goodale, Walter N.
Goodison, Tennyson W.
Greater, Maximillian W.
Griswold, Elizabeth F.
Grummet, Clarence E.
Guindon, Albert W.
Guthrie, Harry F.

Haines, Elizabeth B.
Halbert, Ray G.
Hall, Leigh J.
Hall, William L.
Hallock, Arthur E.
Hammer, William A.
Hartenstein, William
Hartley, Lester C.
Harvey, George
Harvey, Rhuel G.
Hastings, William, jr.
Haviland, Winthrop A.
Hayes, Anna W.
Henry, Thomas G.
Herbert, Joseph
Hill, Alvan S.
Hill, John P.
Hill, Linn W.
Hinman, Wilbur S.
Hirosawa, Denjuro
Hirschfield, Louis A.
Hoare, Joseph A.
Hollingsworth, Ray G.
Hollis, Lawrence W.
Holmes, Earl C.
Hopkins, Nelson K.
Howard, Lloyd G.
Howe, Earl M.
Hudson, Arthur J.
Huerstel, George
Humphrey, Amos F.
Hunt, Charles T.
Hunt, William L.
Hunter, Lætitia

Ives, Charles W.

Jermyn, Edmund B., jr.
Jones, Arthur
Jones, Lelwin E.
June, Raymond E.

Kampel, George E.
Kelly, Hiram B.
Kentfield, John T.
Ketchum, Helen N.
Kirchhoff, Ella E.
Kirshman, Samuel
Klock, Glenn
Knapp, Murray E.
Knauss, William H.
Knox, Alice I.
Koch, Balthaser, J.
Kostenbader, Walton B.

Ladd, (Mrs.) Carolyn N.
Ladd, Hubert H.
Lamb, Enos G.
Lane, Arthur M.
Larwood, Andrew C.
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Stedje, Leland J.	Ithaca		

INDEX OF SUBJECTS

- Academic Year, 38.**
 College of Agriculture, 125.
 Medical College, 105.
- Administration, General, Committee on, 9.**
 Officers of, 11-35.
 of the University, 8.
- Admission, 38-44.**
 by entrance examinations, 41-42.
 by Regents' credentials, 38.
 by school certificates, 42-43.
 from other colleges, 44.
 of freshmen, 38.
 of special students, 44.
 to advanced standing, 44.
 to Graduate School, 47.
 to Medical College, 104.
 to undergraduate colleges, 38-44.
- Advanced Algebra entrance, 39.**
- Advanced Degrees, 47-49.**
- Advanced Standing, see admission from other colleges.**
- Aesthetics, 82.**
- Age requirement at admission, 38.**
- Agricultural Chemistry, 91.**
- Agricultural College Council, 119.**
- Agricultural College Library, 162.**
- Agricultural Experiment Station Memoirs, 175.**
- Agricultural Student Loan Fund, 175.**
- Agriculture, College of, 119-136.**
 admission to, 38-44.
 Third Term in, 48, 125, 278.
- Agriculture, entrance subject, 39.**
- Agriculture, Summer School, Tuition in, 45.**
- Agriculture, Winter Courses, Tuition, 45.**
- Algebra entrance, 39.**
- Alumni, Associate, 176-180.**
- Alumni Field, 173.**
- Alumni Fund, State Scholarship, 175.**
- Alumni Trustees, 8, 176.**
- American History, 84.**
 as entrance subject, 39.
- Anatomy, 107, 111, 117.**
- Ancient History, 83.**
 as entrance subject, 39.
- Animal Husbandry, 127, 194.**
- Antiquities, Greek, 76.**
 Roman, 77.
- Appropriations, N. Y. State, 7.**
- Arabic, 76.**
- Aramaic, 76.**
- Architecture, College of, 137-142.**
 admission to, 38-44.
 fees in, 46.
 tuition in, 45.
- Architecture, Medals in, 167.**
- Architecture, Prizes in, 142, 207.**
- Armory, 173.**
- Art, Landscape, 133.**
 Greek, 76.
 Roman, 77.
- Arts College Entrance Diploma, 42.**
- Arts, Fine, 82.**
 Frances Sampson Prizes in, 167, 207.
- Arts, Mechanic, 150-159.**
- Arts, Mechanic, Sibley Prizes, 156, 167, 207.**
- Assistant Professors, List of, 11-31.**
- Assistants, List of, 31-35.**
- Associate Alumni, 176-180.**
- Association of Class Secretaries, 182.**
- Assyrian, 76.**
- Astronomy, 87.**
- Athletic Association 173.**
- Athletics, 173.**
- Attendance, Statistics of, 279-280.**
- Bachelor of Architecture, degree, 137.**
- Bachelor of Arts, degree, 73.**
- Bachelor of Chemistry, degree, 75.**
- Bachelor of Laws, degree, 95.**
- Bachelor of Science, degree, 125.**
- Bacon Hall, 173.**
- Bacteriology, 110, 118.**
- Barnes Hall, 172.**
- Barnes Reference Library, 162.**
- Barnes Shakespeare Prize, 166, 207.**
- Bellevue Hospital, 104, 108, 109.**
- Beneficiary Funds, 174.**
- Bennett, James Gordon Prize, 116, 168, 207.**
- Bibliography, 86.**
- Biochemistry, 92, 112.**
- Biology, 92, 194.**
 as entrance subject, 39.
- Boardman Senior Law Scholarship, 99, 164.**
- Board of Trustees, 8.**
- Botany, 91, 127, 194.**
 as entrance subject, 39.
- Bridge Engineering, 148, 193.**
- Brown, C. B. Memorial Medal, 142, 167, 207.**
- Browning Prize, Corson, 166, 207.**
- Buildings and Grounds, Committee on, 9.**
- Caldwell, G. C. Prize, 168, 207.**
- Calendar, 5.**
- Cancer, Study and Treatment, 104.**
- Candidacy for Advanced Degrees, 47-49.**
 for Undergraduate Degrees, see Degree.
- Certificates awarded 1914-1915, 207.**
 for Regents' examinations, 42.
 in military science, 207.
 school, 41-42.
- Chemistry, 89-91, 108, 191, 194.**
 Bachelor of, 75.

- Chemistry, entrance subject, 39.
prize in, 168, 207.
- Christian Association, 172.
- Civics entrance, 39.
- Civil Engineering, College, See College of Civil Engineering.
- Classical Philology, Studies in, 175.
- Class Memorials, 183.
- Class Secretaries Association, 182.
- Clinic, Small Animal, 117.
- College Credit at entrance, 43.
- College Entrance Examination Board, 42.
- College Faculties, Constitution of, 10.
- College of Agriculture, 119-136.
academic year, 125.
admission, 38-44.
extension work, 126.
library, 162.
third term, 125, 278.
tuition, 45.
Winter Courses, 126, 301-303.
- Architecture, 137-142.
admission, 38-44.
fees, 46.
tuition, 45.
- Arts and Sciences, 66-94.
admission, 38-44.
tuition, 45.
- Civil Engineering, 143-149.
admission, 38-44.
tuition, 45.
- Law, 95-99.
admission, 38-44.
tuition, 45.
- Mechanical Engineering, 150-159.
admission, 38-44.
tuition, 45.
- Medicine. See Medical College.
- Sibley. See College of Mechanical Engineering.
- Veterinary, 113-118.
admission, 38-44.
tuition, 45.
- Colleges of the University, 10.
- Commencement Forty-Sixth Annual, 197-207.
- Committee, Graduate, 48.
- Committees, of University Faculty, 35.
Standing, of Trustees, 9.
- Comparative Philology, 76.
- Comparative Semitic Philology, 76.
- Coptic, 76.
- Cornell Studies in Classical Philology, 175.
in Philosophy, 175.
- Corson Browning Prize, 166, 207.
French Prize, 166, 207.
- Council, Agricultural College, 9, 119.
Cornellian, 180.
Library, 160.
Medical College, 9.
Veterinary College, 9, 114.
- Credit, College at entrance, 43.
- Dairy Industry, 128.
- Dana Prizes, 168.
- Dearstyne, Florence, Fund, 175.
- Debate, Prize in, 207.
- Declamation, Prize in, 166, 207.
- Degree, Bachelor of Architecture, 137.
Bachelor of Arts, 73.
Bachelor of Chemistry, 75.
Bachelor of Laws, 95.
Bachelor of Science, 125.
Civil Engineer, 144.
Doctor of Medicine, 105.
Doctor of Philosophy, 48.
Doctor of Veterinary Medicine, 114.
Master, 48.
Mechanical Engineer, 152.
- Degrees, A.B. and B.Arch., 140.
A.B. and C.E., 146.
A.B. and LL.B., 96.
A.B. and M.D., 107.
A.B. and M.E., 156.
B.Arch. and C.E., 140.
B.S. and D.V.M., 126.
- Degrees Conferred, See Commencement.
- Dermatology, 111.
- Descriptive Geometry, 147.
- Design, Machine, 157.
- Diploma, Arts College Entrance, 42.
Fee, 46.
Science College Entrance, 42.
- Diplomatics, 85.
- Doctor of Medicine, 105.
of Philosophy, 48.
of Veterinary Medicine, 114.
- Drawing,
Agriculture, 128.
Architecture, 140.
Civil Engineering, 140, 192.
Entrance subject, 39.
Mechanical Engineering, 157, 193.
- Early English Text Society Prizes, 168.
- Eastman Prize, Public Speaking, 167, 207.
- Economics, 84, 190.
Home, 132, 195.
- Economy, Rural, 135, 196.
- Education Department of N. Y. State, 42.
- Education, Science and Art of, 83, 188.
Rural, 135, 196.
- Egyptian, 76.
- Eighty-Six Memorial Prize, 166, 207.
- Electrical Engineering, 158.
- Elementary Algebra entrance, 39.
- Embryology, 93, 112.
- Endowment, 7.
- Engineering, Bridge, 148, 193.
Civil, see College of.
- Engineering, Electrical, 158.

- Engineering, Experimental, 158.**
 - Geodetic, 147.
 - Highway, 148.
 - Hydraulic, 147.
 - Mechanical, see College of.
 - Mechanics of, 157, 193.
 - Municipal, 148.
 - Heat-Power, 158.
 - Railroad, 148.
 - Research, 159.
 - Rural, 135.
 - Sanitary, 148.
 - Shop fees, 46.
 - Topographic, 147.
- English, 80, 188.**
 - as entrance subject, 39.
- English History, 83; (entrance) 39.**
- Enrollment summaries, 279-280.**
- Entomology, 92, 129.**
- Entrance, see Admission.**
- Entrance, College Credit at, 43.**
 - Credit, unit of, 38.
 - Diploma, Arts College, 42.
 - Diploma, Science College, 42.
 - Examinations, admission by, 41, 42.
 - Examinations, College Board, 41, 42.
 - Examinations, Cornell, 41
 - Examinations, Cornell, fees, 41.
 - Examinations, Cornell in New York, 41.
 - Examinations, Time, 41.
 - Foreign Language Requirements, 39.
 - Requirements, 38-44.
 - Subjects, 39.
- Epigraphy, Greek, 77.**
 - Latin, 77.
- Essay, Prize in, 166, 207.**
- Ethics, 82.**
- Ethiopic, 76.**
- European History, 83.**
- Examinations, Entrance, College Board, 41-42.**
 - Entrance, Cornell, 41.
 - Regents', 41, 42.
- Expenses, see Payments.**
- Expenses of the University, 7.**
- Experimental Engineering, 158.**
- Experiment Station, Agricultural Memoirs, 175.**
- Experiment Station, Federal, 119.**
- Extension Teaching, 130.**
- Extension Work, College of Agriculture, 126.**
- Faculties, Constitution of, 10.**
 - Members of, See Colleges.
- Faculty University, Members of, 11-33.**
- Farm Crops, 130, 195.**
- Farm Management, 130.**
- Farm Practice, 131.**
- Farm, The, 130.**
- Federal Experiment Station, 119.**
- Fees, 45-46.**
- Fellowships and Prizes in Medical Colleges, 106.**
- Fellowships and Scholarships, tuition for holders of, 50.**
- Fellowships, Graduate, Holders, 169.**
- Fellowships, Graduate School, 49.**
- Fellowships, Honorary, 50.**
- Finance, 84-86.**
- Finance Committee, on, 9.**
- Finances of the University, 7.**
- Fine Arts, 82.**
- Fine Arts, Frances Sampson Prize, 167, 207.**
- Floriculture, 131, 195**
- Flower, Veterinary Library, 162.**
- Foreign Language requirements, entrance, 39.**
- Forestry, 131, 195.**
- Foundation and endowment, 7.**
- Foundation, Goldwin Smith Lecturers, 72.**
- Foundation, Schiff Lecturer, 79.**
- Fraser Scholarships, 99, 165.**
- Free Tuition, 45-46.**
- French, 79, 189.**
- French and German requirements in Graduate School, 48.**
- French, entrance subject, 39.**
- French Prize, Corson, 166, 207.**
- Freshman, Admission of, 38.**
- Freshman Courses in Arts and Sciences, 74.**
- Fuertes Medals, 149, 167, 207.**
- Fuertes Memorial Prizes, 142, 149, 156, 168, 207.**
- General Memorial Hospital, 104.**
- Geodetic Engineering, 147.**
- Geographical Summary of students, 280.**
- Geography, 192.**
 - Historical, 84.
 - Physical, 93.
 - Physical (entrance subject), 39.
- Geology, 93-94, 192.**
- Geometry, Plane, entrance, 39.**
 - Solid, entrance, 39.
- German, 78, 189.**
 - and French requirement in Graduate School, 48.
 - entrance subject, 39.
- Goldwin Smith Foundation Lecturers, 36, 72.**
- Goldwin Smith Hall Library, 161.**
- Gothic, 79.**
- Governemnt of the University, 8.**
- Graduate Prize in Philosophy, 50, 168.**
- Graduate School, 47-50.**
 - admission, 47.
 - admission of seniors, 47.
 - advanced degrees, 202-206.
 - Faculty, 10.
 - fellowships and scholarships, 49.
 - tuition fees, 45.
- Graduate Students, 1915-1916, 51-61.**
- Graduate Students, Summer of 1915, 62-65.**
- Graduate Theses, Titles of, 202-204.**
- Graduate work in Summer, 48.**

- Graduate Work in Third Term, Agriculture, 48.
 Graduation fee, 46.
 Greek, 76; (entrance) 39.
 Antiquities, 76.
 Arts, 76.
 Epigraphy, 77.
 History, 83.
 Sculpture, 76.
 Guilford Essay Prize, 166, 207.
 Guiteau Student Loan Fund, 174.
 Gymnasium, 173.
 Gynecology, 110.

 Hebrew, 76.
 High School, General subjects, entrance, 39.
 Highway Engineering, 148.
 Histology, 93, 112.
 Historical Geography, 84.
 History, American, 84, 190; (entrance) 39.
 Ancient, 83; (entrance) 39.
 English, 84, 190; (entrance) 39.
 European, 84.
 Greek, 83.
 Medieval, 83, 190.
 Modern, 84; (entrance) 39.
 Oriental, 76.
 Roman, 83, 190.
 Holders of Fellowships and Scholarships, 169-171.
 Hollingsworth Honorarium, 116, 168, 207.
 Home Economics, 132, 195.
 Honorary Fellowships, 50.
 Hospital Appointments, 107.
 Hospital, Bellevue, 104, 108, 109.
 General Memorial, 104.
 Manhattan State, 104.
 New York, 104, 108, 109.
 Hydraulic Engineering, 147.
 Hydraulics, 193.
 Hygiene, 111.
 Committee on, 36.

 Icelandic, 79.
 Icelandica, 175.
 Income of the University, 7.
 Infirmary, 172; (fee) 46.
 Institute, Neurological, 104.
 Instruction, Officers of, 11-35.
 Instructors, List of, 11-31.
 Intermediate Algebra entrance, 39.
 Italian, 80; (entrance) 39.

 Journal of Physical Chemistry, 175.
 Jurisprudence, Medical, 111; Veterinary, 117.

 Laboratory fees, general, 46.
 Loomis, 104.
 Landscape Art, 133.
 Language, foreign requirements, entrance, 39.
 Laryngology, 111.

 Latin, 77, 190; (entrance) 39.
 Law, College of, 95-99.
 Library, 161.
 Scholarship, Boardman, 164-165.
 Lecturers, Goldwin Smith Foundation, 35.
 Lecturers, Non-Resident, 1914-1915, 36.
 Library, (University) 160.
 Agricultural College, 162.
 Barnes Reference, 162.
 Collections, 160.
 Council, 160.
 Flower Veterinary, 162.
 Goldwin Smith Hall, 161.
 Hart Memorial, 161.
 Law, 161.
 Medical (New York), 162.
 Stimson Hall Medical, 162.
 Limnology, 129.
 Loan Funds, 174.
 Logic, 82.
 Loomis Laboratory, 104.

 Machine Design, 157.
 Manhattan State Hospital, 104.
 Manual Training entrance, 39.
 Masters Degree, 48.
 for summer work, 48.
 Materia Medica, 108, 117.
 Mathematics, 86, 191.
 Matriculation, Fee, 46.
 Meat Inspection, 118.
 Mechanical Engineering (College of), 150-159.
 admission, 38-44.
 shop fees, 46.
 tuition, 45.
 Mechanic Arts, 150-159.
 Prizes, 167, 207.
 Mechanics, Applied, Civil Engineering, 147.
 Mechanics of Engineering, 157, 193.
 Medals, 166-168.
 Brown Memorial, 142, 167, 207.
 Fuertes, 149, 167, 207.
 Sands Memorial, 142, 167, 207.
 Medical Advice, 172.
 Medical Bulletin, 175.
 Medical College, 100-112.
 academic year, 105.
 admission, 104.
 fellowships and prizes, 106, 168.
 publications, 175.
 special courses, 105.
 tuition, 45.
 Medical Jurisprudence, 111.
 Medical Library Stimson Hall, 162.
 New York City, 162.
 Medieval History, 84.
 Memoirs, Agricultural Experiment Station, 175.
 Memorials, Class, 183.
 Messenger, L. L. Prize, 166, 207.
 Meteorology, 133, 195.

- Middle Ages, 83.
 Military Science and Tactics, 94, 172.
 Certificates in, 207.
 Miller, Jane Prize, 116, 168, 207.
 Mineralogy, 93.
 Modern History, 84; (entrance), 39.
 Morris, R. T. Prize, 167, 207.
 Morrison, J. T. Prize, 167.
 Morrison Trophy Cup Prize, 168.
 Municipal Engineering, 148.
 Music, 86, 190.
 Mythology, 76, 77, 78.

 Nature Study, 92, 129, 195.
 Neurological Institute, 104.
 Neurology, 104.
 New York Hospital, 104, 108, 109.
 Ninety-Four Memorial Prize, 166.
 Nut Culture, R. T. Morris Prize, 167.

 Obstetrics, 109, 117.
 Officers of Instruction and Administration, 11-35.
 Ophthalmology, 111.
 Oratory, Prizes in, 166, 207.
 Oriental History, 76.
 Orthopedic Surgery, 111.
 Otology, 111.

 Pack, C. L. Prize, 168.
 Padgham, Frank William Scholarship, 156, 164.
 Paleography, 84.
 Paleontology, 93.
 Pass cards for Regents examinations, 42.
 Pathology, Medical, 104, 108, 109.
 Plant, 133, 195.
 Psycho-, 110.
 Veterinary, 118.
 Payments to the University, 45-46.
 Pediatrics, 110.
 Percy Field, 173, 174.
 Petrography, 93.
 Pharmacology, 108.
 Philology, French, 79.
 Germanic, 79.
 Cornell Studies, 175.
 Philosophical Review, 175.
 Philosophy, 82.
 Cornell Studies in, 175.
 Graduate Prize in, 168.
 Phonetics, 78.
 Physical Chemistry, Journal of, 175.
 Physical Culture, 94, 172; (fee), 45.
 Examinations, 172.
 Training, 173.
 Physical Geography, 93; (entrance), 39.
 Physics, 87-89, 191; (entrance), 39.
 Physiology, 92, 108, 112.
 Veterinary, 117.
 Plane Geometry, entrance, 39.
 Plane Trigonometry, entrance, 39.
 Plant Breeding, 133, 195.
 Plant Pathology, 133, 195.
 Poetry, J. T. Morrison Prize, 167.
 Polish Student Loan Fund, 175.
 Political Science, 84.
 Polk, J. M. Prizes, 168.
 Pomology, 134, 196.
 Poultry Husbandry, 134, 196.
 Power Engineering, 158.
 Preachers, List of, 37.
 Prizes, 166-168; (Fuertes, 142, 149, 156, 168); (Graduate Philosophy, 50); (James Gordon Bennett, 168); (Jane Miller, 168); (Sibley, 157); (White, H. K., 167).
 Prizes and Fellowships, in Medical College, 106.
 Prizes awarded 1914-1915, 207.
 Professors, List of, 11-31.
 Provençal, 80.
 Psychology, 82, 188.
 Psycho-Pathology, 110.
 Publications, Official, 175.
 Public Speaking, 81.
 Prizes in, 166-168, 207.

 Railroad Engineering, 148.
 Regents' Examinations, 41, 42.
 Registration, summaries, 279-280.
 Requirements for admission, 38-44.
 Residential Halls, 172.
 Review, Philosophical, 175.
 Rhinology, 111.
 Roberts Scholarship Fund, 165.
 Roentgenology, 111.
 Roman Antiquities, 77.
 Art, 77.
 History, 83.
 Law, 83.
 Romance Languages, 79.
 Rural Economy, 135, 106.
 Rural Education, 135, 106.
 Rural Engineering, 135.

 Sage Chapel, 172.
 Sampson, Frances, Fine Arts Prize, 167, 207.
 Sands Memorial Medal, 142, 157, 207.
 Sanitary Engineering, 148.
 Scandinavian, 78.
 Schiff Foundation, Lecturer, 79.
 Schoellkopf Field, 174.
 Schoellkopf Memorial, 174.
 Scholarship Fund Roberts, 165.
 Scholarships, 16, 161.
 Boardman, 99, 164.
 Fraser, 99, 165.
 Graduate, 49.
 Holders of, 170.
 Padgham, 156, 164.
 State, 163.

- Scholarships, State Grange, 164.**
 University Undergraduate, 163; (holders), 171.
School certificate, admission by, 42-43.
Science and Art of Education, 83.
Science College Entrance Diploma, 42.
Sculpture, Greek, 76.
Second Term, admission at, 41.
 entrance examinations, 41.
Seidell, W. C. Book Fund, 149, 175.
Semitic Languages, 76.
Seniors, admission to Graduate School, 47.
 Arts and Sciences in other colleges, 73.
Shakespeare Prize, Barnes, 166, 207.
Sherman Bennett Prize, 166.
Shop Fees, 46.
Sibley College, 150-159.
 admission, 38-44.
 fees, 45-46.
 tuition, 45.
Sibley Prizes in Mechanic Arts, 156, 167, 207.
Social Science, 85.
Soil Technology, 136, 196.
Solid Geometry, entrance, 39.
Spanish, 80, 189; (entrance), 39.
Spanish, J. G. White Prizes, 166.
Special Courses in Medical College, 105.
Special Students, admission of, 44. See Colleges, admission.
 tuition and fees, 45-46.
Spherical Trigonometry, entrance, 39.
State Grange Scholarships, 164.
State Scholarship Alumni Fund, 175.
State Scholarships, 163.
Statistics, 85, 86.
Stewart Prize, 168, 207.
Stimson Hall, 104.
 Medical Library, 162.
Students, Graduate, 1915-1916, 51-61.
 Summer, 1915, 62-65.
Students in Residence Dec. 1, 1915, 208-278.
 Summer Session, 1915, 281-300.
 Third Term Agriculture, 278.
 Winter Courses Agriculture, 301-303.
Studies in Classical Philology, 175.
Studies in Philosophy, 175.
Subjects, Entrance, 39.
Summary of Registration, 279-280.
Summer, Graduate work in, 48.
Summer School in Agriculture, 1915, 193-196.
 tuition, 45.
Summer Session, 1915, 185-196; (students), 281-300.
 credit toward graduation, 187.
 graduate work, 48.
Summer Session, tuition, 45, 187.
Surgery, 104; (Veterinary), 117.
Therapeutics, 109, 110.
Theses, Arts and Sciences 74.
 Graduate, titles, 202-204.
Third Term College of Agriculture, 119, 278.
 Graduate work, 48.
Titles of Graduate Theses, 202-204.
Topographic Engineering, 147.
Trigonometry, entrance, 39.
Trustees, Alumni, 8.
 Board of, 8.
 Standing committees, 9.
Tuition fees, 45-46.
Tuition, Free, 45-46.
Undergraduate Colleges, Tuition, 45.
Undergraduate Scholarships, 163.
Unit of credit, definition for certificate, 43.
University, Faculties of, 10.
 Faculty, 10.
 Faculty Committees, 35.
 Library, 160.
 Preachers, 37.
 Undergraduate Scholarships, 163, 171.
 Year, 38.
University Year, 38.
 Agriculture, 125.
 Medicine, 105.
Urology, 111.
Vegetable Gardening, 136, 196.
Veterinary College, 113-118.
 admission, 38-44.
 Council, 114.
 prizes, 167, 168, 207.
 tuition, 45.
Veterinary Library, Flower, 162.
Veterinary Practitioners, Study, 116.
Veterinary Students Certificates, 40.
White, H. K., Prizes, 116, 167, 207.
White, J. G., Prizes in Spanish, 166, 207.
Whiting Otology Prizes, 168.
Winter Courses, College of Agriculture, 126, 301-303.
 tuition, 45.
Woman's Guild Fund, 175.
Women Students' Loan Fund, 175.
Woodford Prize, 166, 207.
Wurts Loan Fund, 175.
Zoology, 92, 192; (entrance), 39.
Zootechnics, 117.

INDEX OF NAMES

- Abell, M. F., 31, 122.
 Adam, J. D., 37.
 Adams, B., 11, 120.
 Adams, J. Q., jr., 11, 68, 80, 81, 160.
 Adams, J. W., 113.
 Adams, T. S., 11, 68, 85, 86.
 Adamson, W. A., 31, 71.
 Albee, E., 11, 67, 82.
 Albert, C. D., 11, 150, 157.
 Alexander, C. P., 11, 122, 133.
 Allen, A. A., 11, 69, 92, 121, 130, 185, 192.
 Allen, A. W., 157.
 Allen, C. E., 31, 71, 103.
 Anderson, E. G., 31, 123.
 Anderson, E. J., 11, 69.
 Anderson, G. V., 87.
 Anderson, R. P., 11, 68, 81, 89, 90, 185, 192.
 Andrews, A. L., 11, 69, 78, 79.
 Andrews, E. P., 11, 68, 76, 77.
 Andrews, F. E., 134, 193, 196.
 Anesaki, M., 36.
 Antell, H., 31, 71.
 Ashworth, P. P., 157.
 Asmus, H., 11, 113, 118.
 Atkinson, G. F., 11, 66, 91, 92.
 Austen, W. H., 11, 160, 182.
 Ayres, O. R., 160.
 Ayres, W. E., 11, 122.

 Babcock, H. E., 11, 121.
 Baender, F. G., 152.
 Bailey, A., 31, 71.
 Bailey, E. J., 11, 69, 80, 81, 185, 189.
 Bailey, H. C., 11, 101, 109.
 Baker, B. H., 31.
 Baker, T. A., 11, 122, 127, 128, 129.
 Baker, W. C., 11, 120.
 Baldwin, D. L., 11, 69, 80, 185, 188.
 Baldwin, W. M., 107.
 Ballard, W. C., jr., 11, 151, 159.
 Bancroft, W. D., 11, 66, 90.
 Banner, E. L., 31, 123.
 Bannister, L. W., 35.
 Barbour, E. H., 36.
 Bardwell, D. L., 185, 188.
 Barker, E. E., 11, 121, 133, 193, 195.
 Barnard, W. N., 12, 35, 150, 158.
 Barnes, F. A., 12, 143, 148.
 Barr, J. H., 9.
 Barringer, B. S., 12, 102, 110.
 Barron, J. H., 12, 121.
 Barrows, C. C., 12, 101, 110.
 Barrus, M. F., 12, 120.
 Bartholomew, L. M., 185, 190.
 Bauder, H. D., 31, 123.
 Bauer, J., 12.

 Baxter, H. E., 12, 137, 141.
 Baynes, E. H., 36.
 Beal, A. C., 12, 120, 131.
 Beaumont, A. B., 31, 123.
 Bechtel, A. R., 31.
 Beekman, F., 12, 101, 109.
 Bedell, F., 12, 67, 88.
 Beebe, S. P., 110.
 Beitz, W. E., 12, 143, 148, 185.
 Benedict, S. R., 12, 100, 108, 110.
 Benjamin, E. W., 12, 121, 135.
 Bennett, C. B., 12, 151, 157.
 Bennett, C. E., 12, 35, 66, 77.
 Bennett, H. S., 90.
 Benson, J. P., 31.
 Bentley, J., jr., 12, 121, 131, 132.
 Berry, C. H., 12, 151, 158.
 Besemer, A. M., 12, 122, 128.
 Betten, C., 12, 35, 119.
 Betz, H., 12, 70.
 Bidwell, C. C., 12, 70, 87, 88.
 Bierma, A. G., 158.
 Billings, W. A., 31, 113.
 Birch, R. R., 12, 113.
 Birdseye, M., 12, 121.
 Bishop, H. G., 31, 70, 82, 83.
 Bishop, S. C., 31, 123.
 Bitting, W. C., 37.
 Bizzell, J. A., 12, 120, 136.
 Blackburn, H. C., 31, 71, 87.
 Blackmore, B., 12, 122, 132, 193, 195.
 Blakelock, D. H., 31, 71.
 Blaker, E., 12, 35, 68, 88, 185, 191.
 Blakey, R. G., 84, 85, 96, 185, 190.
 Blakey, S., 31, 123, 132.
 Block, N. B., 31, 151.
 Blodgett, F. M., 12, 121.
 Blood, C. H., 8, 9, 160.
 Blue, A. A., 90.
 Bock, J. C., 12, 101, 108.
 Boesche, A. W., 12, 35, 68, 78, 79, 185, 189, 190.
 Bogert, G. G., 12, 95, 96, 97.
 Bohall, H. A., 89.
 Boldt, G. C., 8, 9.
 Bonn, M. J., 13, 36, 68, 72, 86.
 Boring, E. G., 13, 69, 82, 83, 185, 186.
 Bossange, E. R., 141.
 Bostwick, C. D., 36, 182.
 Boulter, L. H., 13, 70, 80.
 Bown, R. A., 13, 70, 87, 88.
 Boynton, W. H., 113.
 Bradford, L. J., 13, 151, 157.
 Bradley, J. C., 13, 68, 121, 129, 130.
 Brannon, J. M., 13.
 Braun, H. B., 31.
 Brauner, J. F., jr., 13, 143.

- Brauner, O. M., 13, 137, 141, 142, 147.
 Bray, M. W., 31, 71.
 Bretz, J. P., 13, 35, 67, 84, 185, 190.
 Brezee, E. L., 32, 102.
 Bridgman, J. A., 32, 70, 90.
 Briggs, T. R., 13, 69, 90.
 Bristol, G. P., 13, 35, 66, 76, 83, 185, 190.
 Bromley, J. H., 32, 123.
 Brooks, C. A., 32, 151, 157.
 Brooks, F. D., 32.
 Broughton, L. N., 13, 69, 80, 81, 185, 188, 189.
 Broun, L., 13.
 Brown, C. G., 13, 151, 158.
 Brown, C. R., 37.
 Brown, E., 32, 102.
 Brown, F., 37.
 Brown, G. H., 13, 69.
 Brown, H. W., 13, 151, 158.
 Brown, L., 102, 110.
 Brown, L. G., 32, 123.
 Brown, S., 110.
 Brown, T. B., 13, 69, 87, 88, 185.
 Browne, A. W., 13, 35, 67, 89, 90, 185, 191.
 Browning, H., 32, 71.
 Brundage, W. H., 32, 102.
 Bryant, L., 185, 191.
 Buchan, H. P., 134, 135, 193, 196.
 Buck, W. B., 32, 151, 157, 185, 193.
 Buckley, K., 13, 101.
 Buckman, H. O., 13, 121, 135, 136, 193, 196.
 Bull, H. T., 13.
 Bull, W. F., 32, 71.
 Bundy, M. W., 13, 70, 80.
 Burdick, C. K., 13, 95, 96, 97.
 Burgess, R. W., 13, 70, 87, 185, 191.
 Burke, F. T., 13, 102, 111.
 Burnett, S. H., 13, 113, 118.
 Burnham, L. P., 13, 137, 141.
 Burr, E. T., 32, 102.
 Burr, G. L., 13, 66, 83, 84, 160.
 Burritt, M. C., 13, 120, 135.
 Burrows, E. N., 14, 143, 148, 185, 193.
 Burrows, M. T., 107.
 Buschek, H. A., 185, 189.
 Buch, H. S., 32, 151, 157.
 Butler, J. W., 36.
 Butterfield, W., 185, 190.
 Butts, H. W., 147.
 Caffin, C. H., 37.
 Calderon, I., 36.
 Campbeil, R. A., 14, 69.
 Candee, R. C., 32, 71.
 Canfield, E. B., 14, 35, 94.
 Canon, H., 32, 123.
 Carlisle, J. N., 9.
 Carnegie, A., 8.
 Carney, F., 185, 192.
 Carney, H. B., 32, 71.
 Carpenter, J. M., 14, 70, 79, 80.
 Carpenter, R. C., 14, 150, 159.
 Carrick, D. B., 32.
 Carroll, C. H., 32, 71, 103.
 Carver, W. B., 14, 68, 87, 185, 191.
 Cassassa, C. S. B., 32, 103.
 Catlin, W. G., 14, 151, 159.
 Cavanaugh, G. W., 14, 67, 91, 119, 193, 194, 195.
 Chamberlain, G. R., 14, 137, 140, 141.
 Chamberlain, R. F., 14, 151, 159.
 Chambers, R., 32, 103.
 Chamot, E. M., 14, 67, 90, 185, 192.
 Chandler, W. H., 14, 120, 134.
 Chandler, W. L., 14, 122.
 Chapman, W. F., 32, 71.
 Charles, T. B., 14, 122, 134, 135, 193, 196.
 Chupp, C., 14, 122, 133, 134, 193, 195.
 Church, I. P., 14, 143, 147, 149.
 Cilley, A. H., 14, 102, 111.
 Clark, C. P., 32, 124.
 Clark, F. E., 37.
 Clark, H. H., 14, 151.
 Clark, R. E., 14, 151, 158.
 Classen, P. W., 32, 123.
 Coca, A. F., 14, 101, 110.
 Cogswell, H. E., 185, 190, 191.
 Cole, H. I., 32, 70, 90.
 Cole, L. G., 14, 101, 111.
 Coleman, W., 14, 100, 108.
 Coley, W. B., 14, 100, 110.
 Comfort, W. W., 14, 35, 67, 79, 80.
 Comstock, A. B., 14, 121, 130, 181, 193, 195.
 Comstock, J. H., 14, 66, 119.
 Conlin, H. J., 32, 123.
 Conner, E., 32, 103, 108.
 Conner, L. A., 14, 100.
 Conwell, W. L., 14, 143, 147, 148.
 Cooke, R. A., 110.
 Cooley, C. S., 89, 185, 191, 192.
 Cooper, L., 15, 68, 80, 81.
 Cornell, C. E., 8, 9, 36.
 Cornell, W. R., 15, 150, 157, 185, 193.
 Corwin, C. D., 15, 150, 157.
 Corwith, H. P., 32, 71.
 Coursault, J. H., 15, 69, 83.
 Coutant, A. F., 129.
 Cragwall, G. O., 89.
 Craig, C. F., 15, 69, 87, 185, 191.
 Craig, W. T., 15, 122.
 Crandall, C., 15, 143, 147.
 Crandall, C. L., 15, 143, 148, 149, 182.
 Crane, T. F., 15, 66, 183.
 Creighton, J. E., 15, 66, 82.
 Crichtlow, H. T., 15, 143.
 Crosby, C. R., 15, 120.
 Crosby, D. J., 15, 120.
 Cross, L. J., 15, 91, 120.
 Crothers, S. M., 37.
 Crowell, M. G., 15, 69, 80.
 Curtis, C. E., 36.
 Curtis, O. F., 15, 122, 127, 128.

Curtis, R. W., 15, 121, 133, 193, 195.

Dale, G. I., 185.

Dana, C. L., 15, 100, 110.

Dann, A. B., 15, 122, 134, 135, 193.

Dann, H. E., 15, 67, 86, 185, 190, 191, 196.

Daugherty, R. L., 15, 150, 157.

Dauton, G. H., 37.

Davidson, H. C., 15, 35, 68, 78, 79, 185, 189, 190.

Davis, A. C., 15, 151, 158.

Davis, E. G., 15, 121, 133.

Davis, H. B., 32, 103.

Davis, H. K., 15, 70, 92, 103, 111, 112.

Day, R. B., 15, 151, 157.

Dean, E., 32, 124.

Deans, W., jr., 15, 151, 158.

Deatrick, E. P., 32, 124.

DeGarmo, C., 15, 66.

Degner, L. M., 32, 71.

Deming, E. W., 36.

Denney, J. D., 185, 192.

Dennis, F. S., 15, 100.

Dennis, L. M., 16, 66, 89, 90.

De Porte, J. V., 32, 71.

Dewey, H. P., 37.

Deyoe, L. E., 36.

Dickson, B. T., 32, 124.

Diederichs, H., 16, 150, 158.

Diederichs, H. N., 32, 152.

Diederichs, W. J., 16, 151, 158.

di Grassi, G., 160.

Dillon, J. J., 9.

Dimmick, F. L., 185, 188.

Dimmick, R. L., 185.

Dix, E. H., 16, 151, 158.

Dix, J. A., 9.

Douglass, W. A., 32, 71.

Dresbach, M., 16, 69, 92, 103, 112.

Drummond, A. M., 16, 69, 81, 185, 189.

Du Bois, C. O., 32, 124.

Dubois, E. P., 16, 103, 108.

Dunn, W., 103, 110.

Durham, C. L., 16, 67, 77, 185, 190.

Dynes, O. W., 16, 122, 130, 193, 195.

Eames, A. J., 16, 121, 127.

Eaton, C. A., 37.

Eaton, P. B., 157.

Edgar, J. C., 16, 100, 109, 111.

Edwards, J. H., 8, 9, 176.

Eggleston, C., 16, 101, 108.

Elbridge, J. A., 32, 71.

Eliot, S. A., 37.

Eilenberger, H. B., 16, 123, 128.

Ellenwood, F. O., 16, 150, 158.

Elley, H. W., 32, 70, 89, 185, 191.

Elliott, C. H., 32, 124.

Elliott, G. T., 16, 100, 111.

Ellis, W. W., 160.

Elmer, H. C., 16, 67, 77.

Elser, W. J., 16, 100, 110.

Elston, E. D., 16, 69, 93, 185, 192.

Embody, G. C., 16, 35, 121, 130, 193, 194, 195.

Emerson, R. A., 16, 120.

Engelder, C. J., 32, 70, 89, 185, 192.

English, D., 16, 60, 85, 86.

Erdman, S., 16, 101, 109.

Erickson, R., 32, 124.

Erskine, A. M., 32, 71, 89.

Eschweiler, C. F., 32, 71.

Evans, D. A., 32, 151.

Evans, P. D. M., 32, 71.

Evans, S. M., 32, 103.

Everett, G. A., 16, 120, 130.

Ewing, J., 16, 100, 110.

Farr, C. E., 16, 101.

Faull, J. H., 193, 194.

Faust, A. B., 17, 67, 78, 79.

Feldstein, S., 110.

Ferguson, J. S., 17, 101.

Fink, G. J., 32.

Finley, D. H., 32, 71.

Fippin, E. O., 17, 119.

Fish, A., 193.

Fish, P. A., 17, 113, 117.

Fisk, W. W., 17, 121, 128, 195.

Fitch, C. P., 17, 113, 118.

Fitzpatrick, H. M., 17, 121, 134.

Flagg, K. P., 32, 71.

Fleming, B., 16, 133.

Fleming, E. C., 32, 124, 132.

Floyd, G. D., 17, 151.

Floyd, R., 17, 101.

Flynn, W. F., 32, 91, 123.

Forbes, W. T. M., 17, 123.

Ford, A. W., 32, 71.

Ford, W. S., 17, 150, 158, 159.

Fosdick, H. E., 37.

Foster, N. B., 17, 101, 108.

Foster, W. S., 17, 69, 82, 83, 185, 186.

Fowler, M., 160.

Fox, D. S., 17, 122, 130.

Fox, H. H., 36.

Francis, D. R., 17, 150, 157.

Francis, I. T., 193.

Francke, K., 36.

Fraser, A. C., 17, 122, 133.

Fraser, D. K., 17, 68, 83, 185, 188.

Frederiksen, F. M., 89.

Friedman, W. F., 32, 133.

Frink, H. W., 17, 101, 110.

Frost, J. N., 17, 113, 117, 118.

Frost, S. W., 32, 124.

Frost, W. S., 17, 123.

Fuller, G. L., 32.

Furlong, C. W., 36.

Gaba, M. G., 17, 70.

Gage, G. R., 32, 124.

- Gage, S. H., 17, 66, 103, 113.
 Gage, V. R., 17, 150, 158.
 Galloway, B. T., 17, 119.
 Garner, E. F., 17, 151, 157.
 Garrett, C. L., 128, 129.
 Garrett, S. S., 17, 150, 157.
 Gelas, J. M., 17, 69, 94, 185, 188.
 George, S. G., 17, 143, 147, 149.
 Georgia, A. E., 32, 123.
 Georgia, F. R., 17, 70, 90, 185.
 Gere, J. B., 33, 103, 110.
 Germann, F. E., 18, 70, 87, 88.
 Gerster, J. C. A., 18, 101, 109.
 Gibbs, R. C., 18, 68, 87, 88, 185, 191.
 Gibson, A. W., 18, 123.
 Gibson, C. L., 18, 100, 109.
 Gibson, K. S., 18, 69, 87, 88.
 Gibson, W. A., 18, 151, 158.
 Gilbert, A. H., 18, 69, 80, 81, 185, 189.
 Gilbert, A. W., 18, 120, 133.
 Gilchrist, R., 33, 71.
 Gilkey, R., 18, 121.
 Gill, A. C., 18, 35, 67, 93.
 Gillespie, D. C., 18, 68, 87.
 Giroud, P. F., 185, 189.
 Globus, J. H., 33, 103.
 Goldberg, S. A., 33, 113, 118.
 Goodridge, M., 18, 101, 109.
 Graham, R. W., 18, 151, 157.
 Graham, S. A., 33, 124.
 Gray, A. M., 18, 150.
 Gray, H. T., 33, 71.
 Gregory, C. T., 18, 121, 133, 134.
 Greer, D. H., 37.
 Grier, L., 33, 124.
 Griffith, J. E., 186, 188.
 Griscom, L., 33, 124, 130.
 Gudernatsch, J. F., 18, 101, 107.
 Guerlac, O. G., 18, 68, 79.
 Guise, C. H., 18, 124.
 Guthrie, E. S., 18, 120, 128.
 Gutsell, H. S., 18, 137, 140, 141.
 Gutsell, R. S., 33, 71, 103.

 Hadley, C. H., 33, 123.
 Hall, J. W., 186.
 Halpin, J. G., 193, 196.
 Ham, C. W., 18, 150, 157, 186, 188, 192.
 Ham, E. S., 33, 123, 127.
 Haman, M. B., 33, 124.
 Hamburg, A. M., 33, 71.
 Hamilton, G. L., 18, 68, 79, 80.
 Hamlen, G. D., 18, 101, 109, 110.
 Hammond, W. A., 18, 67, 76, 82.
 Hamnett, F. S., 33.
 Hancy, A. J., 33, 124, 127.
 Hardenburg, E. V., 18, 122, 130.
 Hargett, C. T., 33.
 Harper, M. W., 18, 120, 127, 193, 194.
 Harris, G. D., 19, 67, 93, 94.
 Harris, G. W., 19.
 Hart, J. M., 19, 66.
 Hartwell, J. A., 19, 101, 109, 110.
 Harvey, L. E., 33, 124.
 Haskell, E. E., 19, 143, 148.
 Haskell, R. J., 19, 122.
 Hastings, T. W., 19, 100, 108.
 Hatch, D. S., 33, 124.
 Hatcher, R. A., 19, 100, 108, 111.
 Hausman, L. A., 19, 123, 193, 195.
 Hawkins, L. S., 193.
 Hawley, I. M., 33, 123, 129.
 Hayden, C. E., 19, 113, 117.
 Hayes, A., 19, 86, 95, 96, 97.
 Hayes, H. E., 19, 143.
 Hayes, L. D., 19, 150, 157.
 Hayes, R. B., 36.
 Haynes, I. S., 19, 100, 107, 109.
 Hazard, B. E., 19, 121, 132.
 Hazen, L. E., 19, 122, 135.
 Head, W. L., 33, 151, 157, 192.
 Hebel, J. W., 19, 70, 80.
 Heimann, W. J., 19, 102, 111.
 Heinicke, A. J., 19, 122, 134.
 Heinsohn, E. C., 33.
 Helmick, B. C., 33, 124.
 Hendricks, H. D., 133, 134.
 Henry, M., 19, 123, 132, 193, 195.
 Hermannsson, H., 33, 70, 79, 160.
 Herrick, G. W., 19, 35, 67, 120, 129, 130.
 Hesler, L. R., 19, 121, 133, 134.
 Hess, H. D., 19, 150, 157.
 Hess, W. N., 33, 124, 129.
 Heuser, G. F., 33, 124.
 Hewett, W. T., 19, 66.
 Higley, A. P., 37.
 Hill, M. E., 33, 124.
 Hill, R. L., 19, 70, 103, 112.
 Hirshfeld, C. F., 19, 150, 158.
 Hiscock, F. H., 8, 9.
 Hitzrot, J. M., 19, 101, 109.
 Hoag, A. E., 19, 101, 109.
 Hoch, A., 19, 100, 110, 111.
 Hoerrner, W. H., 186, 190, 191.
 Hogue, J. P., 20, 101, 109.
 Holding, A., 111.
 Holland, A. L., 20.
 Hook, J. S., 20, 69, 93, 94, 141, 186, 192.
 Hook, W. H., 20, 150, 158.
 Hooper, L., 33, 151, 157, 186, 188, 192.
 Hoover, H. B., 186, 188.
 Hopkins, E. F., 33, 124.
 Hopkins, G. S., 20, 113, 117.
 Hopper, H. A., 20, 120.
 Horn, H. F., 19, 128, 132.
 Hosmer, R. S., 20, 119, 131, 132.
 Hotchkiss, H. V., 20, 143, 147.
 Hottes, A. C., 20, 122.
 Howe, B. N., 33, 151, 157, 188.
 Howes, H. L., 87.

- Boy, D. F., 20, 36, 177, 183, 185.
 Hubbard, F. A., 159.
 Hughes, R. B., 33, 124.
 Hugins, C. R., 20, 70, 84.
 Hull, C. H., 20, 66, 84.
 Hunn, A. E., 20, 122, 132.
 Hunn, C. E., 33, 124, 133.
 Huntoon, F. M., 20, 101, 110.
 Hurd, L. M., 20, 123.
 Hurwitz, W. A., 20, 69, 87, 186, 191.
 Hussey, T. A., 20, 151, 157.
 Hutchinson, J. I., 20, 67.

 Ickelheimer, H. R., 9.
 Ingersoll, E. S., 160.
 Irish, W. M., 183.
 Irvine, F., 20, 95, 96, 97.

 Jackson, D. F., 20, 70.
 Jackson, H. C., 33, 124.
 Jackson, H. E., 37.
 Jackson, H. W., 20, 101.
 Jacoby, H. S., 20, 143, 148, 149.
 Jacoby, J. E., 20, 70, 80.
 Jacot, A. P., 33, 71.
 Jagger, I. C., 20.
 Janway, H. H., 110.
 Jarvis, C. D., 193.
 Jenks, L. E., 33, 71, 89.
 Jennings, D. S., 33, 123, 193.
 Johannsen, O. A., 20, 68, 120, 129, 193, 194.
 Johnson, A. S., 20, 67, 86.
 Johnson, E. B., 33, 71.
 Johnson, H. E., 20, 113.
 Johnston, J. C., 20, 101, 111.
 Johnstone, A. E., 186, 190, 191.
 Jones, E. T., 20, 151, 158.
 Jones, H. L., 20, 68, 76.
 Jones, V. R., 33.

 Kahn, E. J., 142.
 Karapetoff, V., 20, 150, 158, 159.
 Keays, F. L., 21, 101.
 Keen, D., 36.
 Kellor, F. A., 36.
 Kenerson, A. S., 21, 123, 136.
 Keniston, R. H., 21, 68, 80, 186, 189.
 Kennedy, A. H., 33, 124.
 Kennedy, J. J., 33, 70, 89, 90, 103, 192.
 Kennedy, R. F., 21, 101, 110.
 Kent, O. B., 21, 122, 134, 135, 193.
 Kephart, C., 129.
 Keppler, C., 21, 111.
 Kerr, A. T., 21, 36, 67, 92, 103, 111, 112.
 Keyes, E. L., jr., 21, 100, 111.
 Kimball, D. S., 21, 35, 85, 150, 157, 159, 186, 188, 192.
 King, A. C., 21, 120, 131.
 King, E. R., 21, 121.
 King, R. W., 21, 69, 87, 88, 186.

 Kingery, H. M., 21, 69, 93, 103, 112.
 Kingsbury, B. F., 21, 67, 93, 103, 112.
 Kirk, W., 33, 70, 89.
 Kirkpatrick, E. L., 21, 123, 136.
 Klinck, F. E., 21, 150, 158.
 Knapp, H. B., 21, 121, 134.
 Knapp, I. E., 89.
 Knoettge, C. H., 21, 143, 148, 149.
 Knowlton, H., 21, 122.
 Knowlton, H. E., 33, 124.
 Knudson, L., 21, 120, 127, 128, 132, 193, 194.
 Koch, C. E., 33.
 Kochenderfer, C. C., 21, 70.
 Koenig, F. F., 21, 113, 118.
 Koller, J. P., 33, 71, 89.
 Kovacs, F., 33, 71.
 Krum, W. G., 33.
 Kuhnemann, E., 36.
 Kunz, G. W., 33, 103.

 Ladd, C. E., 130.
 La Follette, R. J., 33, 124.
 Lake, D. B., 33, 71.
 Lambert, A., 21, 100, 108.
 Landon, C. H., 33, 152.
 Landt, J. L., 21, 151, 158.
 Lappin, H. A., 21, 70, 80.
 Latshaw, J. B., 33, 113.
 Lauman, G. N., 21, 67, 119, 135, 182, 193, 196.
 Lauritzen, J. I., 33, 124, 127.
 Law, J., 21, 113.
 Lawrence, L. A., 21, 143, 147.
 Le Brazi, A., 37.
 Lee, B. J., 21, 101, 109.
 Lee, F., 162.
 Lee, M. A., 22, 150, 157.
 Leiby, R. W., 129.
 Leland, E. W., 22.
 Leland, O. M., 22, 68, 87, 143, 147.
 Lemon, B. J., 89, 186, 191.
 Leonard, M. D., 33, 123.
 L'Esperance, E. S., 22, 101, 110.
 Lindstrom, E. W., 33, 124, 133.
 Livermore, K. C., 22, 120, 130, 131.
 Lloyd, J. T., 22, 122, 130.
 Lobdell, R. N., 33, 124.
 Lohr, L. R., 33, 71.
 Loomis, F. J., 113.
 Love, H. H., 22, 120, 133.
 Lumsden, D., 22, 121, 131, 193.
 Lundell, G. E. F., 22, 35, 68, 89, 186, 191, 192.
 Lunt, W. E., 22, 35, 67, 84, 186, 190.
 Lusk, G., 22, 100, 108.
 Lyon, T. L., 22, 119, 136.

 McAnlis, C. R., 22, 143.
 McAuliffe, G. B., 22, 102, 111.
 McCall, S. W., 36.
 McCloskey, A. G., 194, 196.

- McClure, J. G. J., 37.
 McCorkle, W. E., 111.
 McCoy, D. C., 33, 71, 89, 186, 191.
 McCurdy, J. C., 22, 123, 147.
 MacCurdy, J. T., 22, 102, 110.
 McDaniels, L. H., 22, 122, 127, 193, 194.
 McDermott, G. R., 22, 150, 157.
 McDowell, W. F., 37.
 MacGowan, H. V., 33, 71.
 McInerney, T. J., 22, 122, 128, 194, 195.
 Mack, E. L., 33, 70, 90.
 McKelvey, J. V., 22, 69, 87, 186, 191.
 MacKenzie, D. W., 22, 102, 110.
 MacKenzie, H., 33, 71.
 McKinney, A., 34, 72.
 McLaughlin, W. D., 157.
 McMahan, J., 22, 66, 87.
 McMeans, J. W., 34.
 Macomber, W., 36, 95, 97.
 McVetty, P. G., 22, 151, 159.
 Maguire, W. H., 34, 72.
 Mahood, S. A., 22, 69, 89, 90, 103, 186, 192.
 Mallory, W. G., 22, 70, 87.
 Mann, A. R., 22, 35, 120, 194.
 Martin, C. A., 22, 35, 137, 141.
 Martin, G. S., 36.
 Mason, H. D., 8.
 Mason, J. F., 23, 35, 68, 79, 80, 186, 189.
 Massey, L. M., 23, 123.
 Matheson, R., 23, 121, 129, 130.
 Matthews, F., 8, 176, 180, 181, 182, 183.
 Matthews, R., 23, 150, 158.
 Matzke, E. H., 36, 186, 188.
 Mauxion, G., 23, 137.
 Maver, W. W., 34.
 Mayer, E. C., 23, 69, 88.
 Maynard, L. A., 23, 121.
 Meade, D., 23, 123, 127.
 Meara, F. S., 23, 100, 108.
 Meeks, E. V., 23, 137.
 Melvin, P. E., 23, 69, 84.
 Merrill, E., 186, 191.
 Merriman, L. L., 31, 67, 98.
 Merritt, E. G., 23, 66, 87, 88, 89.
 Metcalf, F. P., 34, 124, 127.
 Midjo, C., 23, 137, 141.
 Milks, H. J., 23, 113, 117.
 Miller, F. H., 89, 113.
 Miller, I. E., 186, 188.
 Mills, A. P., 23, 143, 147.
 Mills, G. C., 23, 151, 157.
 Minns, L. A., 23, 122, 131.
 Misner, E. G., 23, 123.
 Moesel, J., 34, 71, 92.
 Moler, G. S., 23, 67, 88.
 Monnett, V. E., 23, 69, 93, 186, 192.
 Monroe B. S., 23, 35, 68, 80, 81.
 Montgomery, E. G., 23, 120, 130.
 Montillon, E. D., 23, 122, 133.
 Moody, F. B., 131, 132.
 Moody, H. T., 8.
 Moody, W. L., 89.
 Moore, A. A., 23, 102, 109.
 Moore, E. V., 34, 113.
 Moore, V. A., 9, 23, 35, 36, 113, 118, 182.
 Morath, G. S., 34, 72.
 Mordoff, R. A., 23, 122, 193.
 Mordoff, W. E., 23, 123.
 Morrill, C. V., 23.
 Morton, M., 34.
 Moseley, R. S., 23, 123.
 Moses, W., 34, 124, 132, 194, 195.
 Moulton, L. H., 131.
 Moxon, P. S., 37.
 Muchmore, G. B., 24, 68, 81, 186, 189.
 Mulcahy, T. A., 34, 103.
 Muldoon, W. E., 24, 113, 117.
 Munford, S. A., 36.
 Murayama, H., 34, 103.
 Murdock, C. C., 24, 70, 87.
 Murlin, J. R., 24, 101, 108.
 Myers, C. H., 24, 120.
 Myers, G. E., 24, 102.
 Myers, W. I., 34, 124.
 Nammack, C. E., 24, 100, 108.
 Needham, J. G., 24, 67, 119, 129, 130.
 Nelson, T. L., 34, 72.
 Netzen, C., 89.
 Newell, F. H., 36.
 Newman, J. T., 8, 9.
 Nichols, E. L., 24, 66, 87, 88.
 Niles, W. L., 24, 101, 108.
 Noback, G. J., 34, 71, 103.
 Norris, C., 34, 103, 110.
 Northup, C. S., 24, 68, 80, 81, 176, 182.
 Nye, C., 34, 123.
 Nye, G. H., 36.
 Oberndorf, C. P., 24, 102, 110.
 O Connell, W. C., 34, 72, 94.
 Ogden, H. N., 24, 35, 36, 143, 148, 149, 182.
 Olsson, A., 34, 70, 91.
 Orndorff, W. R., 24, 66, 80, 90, 103, 186, 192.
 Orth, S. P., 24, 67, 85, 86.
 Osterberg, E., 24, 102, 108.
 Overholser, E. L., 24, 122, 134, 194, 196.
 Overman, O. R., 89, 185, 191.
 Owens, F. W., 24, 69, 87, 186, 191.
 Page, E. R., 24, 151, 158.
 Paine, E. T., 24, 66.
 Papanicolau, G., 34, 103.
 Parker, M., 24, 151.
 Parmley, H. M., 24, 150, 157.
 Parson, J. T., 24, 143, 147.
 Patch, R. H., 131, 194, 195.
 Patten, H., 9, 181.

- Patton, C. S., 37.
 Peabody, F. G., 37.
 Peacock, W. M., 32, 116.
 Pearsall, G. M., 34, 72.
 Pearson, H., 24, 102, 109.
 Peck, G. W., 24, 123, 194, 196.
 Peirce, C. A., 24, 151, 158.
 Perkins, L. M., 88.
 Perry, J. E., 24, 143.
 Persons, J. W., 35, 95, 97.
 Pertsch, J. G., 24, 150, 158, 159.
 Peters, H. W., 24, 35, 36, 176, 177, 180, 182, 183.
 Phelps, A. C., 24, 137, 141, 142, 160.
 Phillips, H. D., 25, 122, 135.
 Phipps, G. R., 34, 72, 124.
 Pickens, E. M., 25, 113, 118.
 Pickerill, H. M., 25, 122, 128.
 Pidgeon, H. A., 25, 70, 87, 88.
 Place, I. A., 9, 181.
 Polk, W. M., 9, 25, 100, 110.
 Pollard, F. H., 34, 71, 89.
 Pollard, R. F., 25, 124.
 Pollock, J. J., 34, 124.
 Pond, M. A., 25, 143, 147, 186, 192.
 Pope, P. R., 25, 68, 78, 79, 186, 189.
 Potter, A. L., 111.
 Pound, C. W., 8, 9.
 Pound, R., 37.
 Power, C. E., 87, 88, 186, 191.
 Pratt, W. F., 9.
 Prescott, F. C., 25, 35, 68, 80, 81.
 Price, H. W., 34, 151.
 Proctor, J. G., 34, 72.
 Pumpelly, L., 25, 35, 68, 79, 186, 189, 190.
 Putnam, H., 36, 95, 97.
 Putney, C. M., 34, 72, 103.

 Quarles, J. T., 36, 86, 186.

 Rahe, A. H., 34, 103, 110.
 Rankin, W. H., 25, 121, 133, 134.
 Ranum, A., 25, 68, 87.
 Rasmussen, A. T., 25, 70, 103.
 Rauschenbusch, W., 37.
 Ray, A. B., 34, 70, 89.
 Recknagel, A. B., 25, 120, 131, 132.
 Reddick, D., 25, 120, 134.
 Redfield, H. W., 90.
 Reed, H. D., 25, 35, 68, 92, 186, 192.
 Reed, H. L., 84, 85.
 Reese, R. G., 25, 100, 111.
 Reich, W. B., 87.
 Reiland, K., 37.
 Rettger, E. W., 25, 143, 147, 149, 186, 193.
 Reyna, J. E., 25, 122, 128, 129.
 Rhodes, F. H., 25, 70.
 Rice, F. E., 25, 91, 122, 194, 195.
 Rice, J. E., 25, 119, 134, 135, 194, 196.
 Richards, J. H., 25, 102.
 Riche, J. A., 34, 103, 108.

 Richtmyer, F. K., 25, 68, 87, 88.
 Ries, H., 25, 67, 93, 94, 141, 160.
 Riley, H. W., 25, 120, 135, 194, 196.
 Riley, W. A., 25, 35, 67, 120, 129.
 Ritter, F. O., 82.
 Robb, B. B., 25, 121, 135.
 Robbins, W. J., 26, 122, 127, 128.
 Roberts, E., 188.
 Roberts, I. P., 26, 119.
 Robinson, M., 26, 122, 130.
 Rodgers, R. C., 26, 69, 87.
 Roeder, A., 37.
 Rogers, F. S., 26, 151, 157.
 Rogers, J., 26, 100, 109.
 Roper, J. C., 26, 102, 110.
 Rose, C. C., 89, 90.
 Rose, P., 26, 120, 132, 135, 194, 195.
 Ross, G. A. J., 37.
 Ross, H. E., 26, 120, 128, 194, 195.
 Rowlee, W. W., 26, 67, 91, 92, 182.

 Saby, R. S., 26, 68, 84, 85.
 Sackett, H. W., 9, 182.
 Sampson, M. W., 26, 35, 67, 80, 81, 186, 189.
 Samuels, B., 26, 102.
 Santee, H. E., 26, 102, 109.
 Saunders, W. L., 34, 72.
 Savage, E. S., 26, 120, 127, 194.
 Sawdon, W. M., 26, 150, 159.
 Scales, B. T., 186, 190.
 Schelleng, J. C., 26, 70, 87, 88.
 Schlapp, M. G., 110.
 Schlesinger, A., 110.
 Schmidt, K. P., 34, 124.
 Schmidt, N., 26, 66, 76, 83.
 Schneck, H. W., 26, 122, 136.
 Schnedeker, W. A., 89.
 Schoder, E. W., 26, 143, 147, 148.
 Schradieck, H. E., 34, 124.
 Schramm, J. R., 26, 121, 127.
 Schultze, O. H., 26, 101, 110, 111.
 Schumm, P. B., 34, 72.
 Schurman, J. G., 8, 9, 11, 36, 66, 95, 100, 103, 113, 119, 137, 143, 150, 160, 183, 185.
 Schwartz, H. J., 26, 102, 111.
 Scoville, G. P., 26, 121.
 Scoville, R. I., 34, 123, 128.
 Seery, F. J., 26, 143, 147, 186, 193.
 Seulke, K. J., 26, 123, 127.
 Severance, M., 34, 70, 88.
 Severy, H. A., 34, 124, 127, 194.
 Shadle, A. R., 34, 72.
 Shaffer, N. M., 26, 100.
 Shannon, W., 27, 102, 110.
 Shaper, B. W., 27, 123, 130.
 Sharp, H. M., 27, 151.
 Sharp, L. W., 27, 122, 127.
 Sharpe, F. R., 27, 68, 87, 186, 191.
 Shearer, J. S., 27, 35, 67, 87, 88, 186, 191.
 Sheldon, P. G., 34, 70.

- Sheldon, W. H., 27, 101.
 Shepard, C. S., 8, 9.
 Sherwood, F. B., 34, 72.
 Sherwood, F. W., 34, 70, 89, 90, 103.
 Shevlin, E., 34, 72, 94.
 Shigley, J. F., 27, 113.
 Sicard, M. H., 27, 102, 109.
 Sifton, H. B., 34.
 Sill, H. A., 27, 67, 83, 186, 190.
 Silverman, L. L., 27, 69, 87, 186, 191.
 Simpson, S., 27, 67, 92, 103, 112.
 Sisson, S., 113.
 Slepian, J., 87.
 Smith, A. W., 27, 150, 157, 158.
 Smith, C. D., 27, 123.
 Smith, C. V., 89.
 Smith, E. C., 36.
 Smith, F. M., 27, 69, 80.
 Smith, H., 27, 101, 111.
 Smith, J. S., 34, 124.
 Smith, R. C., 34, 124, 129.
 Smith, T. L., 34, 72.
 Snyder, E., 128.
 Snyder, V., 27, 35, 67, 87, 186.
 Somers, R. E., 27, 69, 94.
 Soule, A., 186, 191.
 Spaulding, H. V., 27, 102, 109.
 Sponable, E. J., 34, 72.
 Spring, S. N., 27, 120, 131, 132, 194, 195.
 Stagg, C. T., 27, 95, 96, 97.
 Stapley, E. R., 27, 143, 147.
 Stark, S., 186, 190.
 Stead, F. H., 37.
 Stenberg, T. T., 27, 70, 81.
 Stephenson, H. N., 27, 151.
 Stevens, A. C., 27, 151, 158, 159.
 Stevens, S., 27, 137.
 Stewart, V. B., 27, 121, 134.
 Stillman, R. G., 27, 102.
 Stimson, L. A., 9, 27, 100, 109.
 Stobbs, W. M., 34, 71, 103.
 Stockard, C. R., 27, 100, 107, 110.
 Stocking, W. A., jr., 27, 119, 128.
 Stokes, A. P., 37.
 Stone, J. L., 28, 119.
 Stork, H. E., 34, 72, 91, 92.
 Stotz, J. K., 34, 72.
 Strahan, J. L., 28, 122, 135.
 Straight, W. D., 181.
 Stratton, M. H., 89.
 Stratton, R., 34, 124.
 Strauss, I., 28, 101, 107.
 Strunk, W., jr., 28, 67, 80, 81.
 Stubbs, M. A., 160.
 Sturgis, C., 28, 70.
 Stupp, C. G., 34, 72.
 Sutor, N. W., 34, 72.
 Sullivan, W. L., 37.
 Sumner, J. B., 28, 69, 92, 103, 112.
 Sunderville, E., 28, 113, 117.
 Supplee, G. C., 28, 122, 128.
 Sutcliffe, H. T., 34, 72.
 Sutherland, H., 36.
 Sutherland, S., 188.
 Sutton, J. E., 34, 72, 103.
 Sweet, A. H., 34, 71.
 Swisher, C. L., 28, 70, 87.
 Taft, W. H., 35, 36, 72.
 Tailby, G. W., jr., 28, 123.
 Talbot, E., 37.
 Tanner, J. H., 28, 35, 66, 87.
 Tansey, G. J., 9.
 Tappan, F. G., 28, 150, 158.
 Taylor, A. S., 28, 100, 109.
 Taylor, B. W. R., 37.
 Taylor, W. N., 137.
 Thatcher, C. G., 28, 151, 158.
 Thayer, C. L., 28, 123, 131, 194, 195.
 Thilly, F., 28, 66, 82.
 Thomas, A. J., 34, 72.
 Thomas, C. C., 28, 122, 127.
 Thomas, C. E., 28, 151, 158.
 Thompson, A. L., 28, 121, 130, 131, 194, 195.
 Thompson, C. F., 28, 35, 68, 94.
 Thompson, J. D., 34, 71.
 Thompson, J. G., 34, 72, 89.
 Thompson, W. G., 9, 28, 100, 108.
 Thro, W. C., 28, 101, 108.
 Thurston, A. M., 89.
 Tilley, N. N., 28, 151.
 Titchener, E. B., 28, 66, 82.
 Titsworth, B. E., 28, 122.
 Torrey, J. C., 28, 100, 110, 111.
 Tothill, J. D., 93.
 Townsend, C. E., 28, 150, 157.
 Townsend, P. W., 34, 72.
 Tree, T., 36.
 Treman, C. E., 8, 9.
 Treman, R. H., 8, 9.
 Tressler, D. K., 35, 71, 89.
 Trevor, J. E., 28, 66, 89.
 Trowbridge, A. B., 137.
 Troy, H. C., 29, 120, 128.
 Tuck, C. H., 29, 119, 130, 183.
 Turner, J. R., 29, 68, 84, 85, 186, 190.
 Turner, K. B., 29, 143, 147, 148.
 Tuttle, E. M., 29, 121.
 Twisten, T. H., 36.
 Tyler, C. M., 29, 66.
 Tyrrell, W. D., 29, 102, 110.
 Tytler, W. H., 110.
 Udall, D. H., 29, 113, 118.
 Underwood, P. H., 29, 143, 147.
 Undritz, E., 186.
 Upton, G. B., 29, 150, 157.
 Urband, E. M., 29, 124, 137, 141.
 Urquhart, L. C., 29, 143, 148, 186, 193.
 Usher, A. P., 29, 68, 84, 85, 86, 96.

- Van Alstyne, E. V., 110.
 Vance, B., 29.
 Vancleef, M., 8, 9.
 Vandegrift, G. W., 29, 102, 111.
 van der Does de Bye, A. J. J., 16, 151, 157.
 Vanderhoef, J. E., 35, 151, 157, 186, 188, 192.
 van der Meulen, P. A., 23, 70, 93, 186, 192.
 Van Fleet, M. E., 35, 103.
 Van Horson, J. M., 35, 72.
 Van Loon, H. W., 22, 69, 84.
 VanRensselaer, M., 29, 120, 132, 194, 195.
 Vaughan, H. H., 186, 189.
 Vick, H. E., 194.
 Vinton, F., 29, 123, 132, 194, 195.
 Vollmer, C., 29, 70, 78.
 Volz, E. C., 29, 123.
 vonEngeln, O. D., 16, 68, 93, 192.
 Vorhies, C. T., 35, 194.

 Walcott, S. S., 35, 72.
 Walker, C. L., 29, 143, 147, 148.
 Wallace, C., 29, 101, 111.
 Wann, F. B., 29, 123.
 Ward, G. G., jr., 35, 103, 110.
 Warner, A. J., 29, 121, 132.
 Warren, G. F., jr., 29, 119, 131.
 Warsaw, W. W., 29, 122.
 Waters, H. H., 29, 151, 157.
 Watkins, M. W., 35, 72.
 Way, C., 113.
 Webber, C. W., 117, 118.
 Webster, C. E. S., jr., 102, 109.
 Weeks, P. T., 29, 70, 87.
 Weese, A., 79.
 Weil, R., 29, 101, 110.
 Weimer, J. L., 29, 123.
 Weld, H. P., 29, 68, 82, 83.
 Wells, A. E., 29, 150, 157, 159, 188, 193.
 Welsh, T. W. B., 30, 69, 89, 90, 191.
 Wendelken, G. M., 35, 129.
 Wentz, J. B., 35, 124.
 Westervelt, J. C., 8, 9.
 Westinghouse, H. H., 8, 9.
 Wheeler, J. M., 111.
 Wheeler, R. H., 30, 121, 130.
 Whetzel, H. H., 30, 119, 133, 134, 194, 195.
 Whitbeck, B. H., 30, 102, 111.
 White, A. C., 30, 70, 76, 160.
 White, A. D., 9.
 White, E. A., 30, 120, 131.
 White, E. C., 30, 143, 148.
 White, J. D., 8, 9.
 White, W. B., 35.
 Whiting, P., 30, 100, 111.
 Whitney, C. W., 30, 122, 130.
 Wiegand, K. M., 30, 120, 127, 128, 194.

 Wiggans, R. G., 30, 124.
 Wiggers, C. J., 30, 101, 108.
 Wilder, B. G., 30, 66.
 Wilkinson, A. E., 30, 122.
 Willcox, W. F., 30, 35, 66, 84, 85, 86.
 Willever, E. E., 95.
 Willey, J. H., 37.
 Williams, C. D., 37.
 Williams, E. L., 9, 36.
 Williams, E. M., 35, 113.
 Williams, H. S., 30, 66.
 Williams, R. B., 8, 9.
 Williams, W. L., 30, 113, 117.
 Willis, E. R. B., 160.
 Wills, J. G., 113.
 Wilson, B. D., 35.
 Wilson, C. S., 9.
 Wilson, J. K., 30, 121, 136.
 Wilson, T. B., 8, 9.
 Wilson, W. M., 30, 119, 133.
 Winans, J. A., 30, 67, 81, 141.
 Wing, H. H., 30, 119, 127, 182.
 Wing, L. A., 30, 109.
 Winters, J. E., 30, 100, 110.
 Wise, S. S., 37.
 Witthaus, R. A., 30.
 Woelfkin, C., 37.
 Wolcott, H. N., 35.
 Wolcott, W. H., 35, 71, 94, 141.
 Wood, E. H., 31, 150.
 Wood, H. E., 188.
 Woodbury, R. M., 31, 70, 85.
 Woodruff, E. H., 31, 95, 96, 97.
 Woods, W. C., 35, 124.
 Woolsey, G., 31, 100, 109.
 Worcester, J., 31, 102.
 Work, P., 31, 121, 136, 196.
 Working, H., 35, 72.
 Works, G. A., 31, 35, 120, 135, 193, 194, 196.
 Wright, A. H., 31, 69, 92.
 Wright, L. H., 31, 113, 118.
 Wright, W. K., 31, 69, 82, 187, 188.
 Wright, W. W., 31, 102, 110.
 Wyckoff, D. B., 31, 95, 97.

 Yorkey, W. R., 35, 72.
 Young, A. A., 31, 67, 85, 86, 160.
 Young, C. V. P., 31, 36, 66, 94.
 Young, G., jr., 31, 137, 141.
 Young, H. B., 31, 121, 132.
 Young, W. S., 35.

 Zimm, L. A., 35, 124.
 Zimmer, E. R., 31.
 Zinnecker, W. D., 31, 69, 78, 122, 127, 187, 189.
 Zinnssmeister, C. L., 35, 71, 91.

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